

4 Product Data Sheets

Firestone has developed a complete range of roofing products, including EPDM membranes, flashings, adhesives, QuickSeam products, sealants, cleaning agents, fasteners and a variety of other roofing related products to build up homogeneous EPDM Roofing Systems. Each component has been carefully selected to offer the performance required by the specifications, while being compatible with the various roofing designs outlined in this document. This chapter contains information with regard to the following Firestone products:

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The designer and contractor may refer to this section for information with regard to the individual components: installation, coverage rate, basic physical properties, packaging, shelf life, storage conditions and safety precautions. In addition to these components, other products and accessories not supplied by Firestone will have to be used in conjunction with the Firestone Roofing Systems such as structural decking, thermal insulation, fasteners, edging profiles, drain outlets, etc. It is the responsibility of the respective suppliers of these products as to their suitability for any particular purpose.

At the same time, it is recommended that the designer and/or contractor consults Firestone on a job to job basis, when using non-Firestone products that are not in compliance with the specifications outlined in this document.



RubberGard EPDM Roofing Membrane

1. Description

The Firestone RubberGard EPDM membrane is a 100% cured roofing membrane made of a synthetic rubber Ethylene-Propylene-Diene Terpolymer. The sheet is made of two plies of standard compound.

2. Preparation

Roofing structure needs to be stable enough to support the temporary loading. Substrates need to be clean, smooth, dry and free of sharp edges, loose or foreign materials, oil, grease and other materials that may damage the membrane. All surface voids greater than 5 mm wide shall be properly filled with an acceptable fill material.

3. Application

Allow the membrane to relax for approximately 30 minutes before splicing or final securement. Install the RubberGard EPDM membrane in accordance with the installation instructions and details.

4. Coverage

The dimensions of the membrane are calculated to cover the substrate, including seam overlaps (100 mm for standard seams - 200 mm for seams with batten in the seam) and upstands. Provide an additional length (150 mm) at upstands for easy manipulation.

5. Characteristics

Physical	<ul style="list-style-type: none">■ Excellent resistance to U.V. and ozone.■ Temperature stable from -45°C to 130°C.■ Retains its elasticity at low temperature and resistant to temperature shocks up to 250°C.■ Excellent resistance to alkali rains, less resistant to oil products. Contact with mineral and vegetable oils, petroleum based products, hot bitumen and grease must be avoided.		
Technical		Test Method	Declared value
<ul style="list-style-type: none">■ Thickness		EN 1849-2	1.1 mm 1.5 mm
<ul style="list-style-type: none">■ Watertightness		EN 1928 (B)	pass
<ul style="list-style-type: none">■ Tensile strength (L/T)		EN 12311-2 (B)	≥ 8 N/mm ²
<ul style="list-style-type: none">■ Elongation (L/T)		EN 12311-2 (B)	≥ 300%
<ul style="list-style-type: none">■ Resistance to static load - soft substrate		EN 12730 (A)	≥ 25 kg
<ul style="list-style-type: none">■ Resistance to static load - hard substrate		EN 12730 (B)	≥ 25 kg
<ul style="list-style-type: none">■ Resistance to impact - soft substrate		EN 12691 (B)	≥ 1700 mm
<ul style="list-style-type: none">■ Resistance to impact - hard substrate		EN 12691 (A)	≥ 200 mm
<ul style="list-style-type: none">■ Tear resistance (L/T)		EN 12310-2	≥ 40 N
<ul style="list-style-type: none">■ Joint peel resistance		EN 12316-2	≥ 50 N/50mm
<ul style="list-style-type: none">■ Joint shear resistance		EN 12317-2	≥ 200 N/50mm
<ul style="list-style-type: none">■ Durability - UV exposure		EN 1297	pass
<ul style="list-style-type: none">■ Foldability at low temperature		EN 495-5	≤ -45°C
<ul style="list-style-type: none">■ Dimensional stability		EN 1107-2	≤ 0.5%
<ul style="list-style-type: none">■ Resistance to root penetration		EN 13948	pass

Note: As European standards continue to develop, please contact Firestone Technical Services or Firestone Building Products Website for latest updates on physical properties.



6. Packaging / Storage / Shelf Life

Thickness (mm)	Width (m)	Length (m)	Weight (kg/m ²)
1.14 (0.045")	2.28* (7.5')	15.25 (50')	1.41
	2.75 (9')	30.50 (100')	
	3.05 (10')	45.75 (150')	
	6.10 (20')	61.00 (200')	
	7.62 (25')		
	9.15 (30')		
	12.20 (40')		
	15.25 (50')		
	5.08 (16.7')	30.50 (100')	
	5.08 (16.7')	30.50 (100')	
1.52 (0.060")	2.28* (7.5')	15.25 (50')	1.95
	2.75 (9')	30.50 (100')	
	3.05 (10')		
	6.10 (20')		
	9.15 (30')		
	12.20 (40')		
	15.25 (50')		
	5.08 (16.7')	30.50 (100')	
	5.08 (16.7')	30.50 (100')	
	5.08 (16.7')	30.50 (100')	

* Packaged two panels per roll.

Storage: Store away from sources of punctures and physical damage. Store away from ignition sources and open flame.

Shelf Life: Unlimited.



RubberGard EPDM LSFR Low Slope Fire Retardant Roofing Membrane

1. Description

The Firestone RubberGard EPDM LSFR Low Slope Fire Retardant membrane is a 100% cured roofing membrane made of a synthetic rubber Ethylene-Propylene-Diene Terpolymer. The sheet is made of two plies of compound with improved fire performance.

2. Preparation

Roofing structure needs to be stable enough to support the temporary loading. Substrates need to be clean, smooth, dry and free of sharp edges, loose or foreign materials, oil, grease and other materials that may damage the membrane. All surface voids greater than 5 mm wide shall be properly filled with an acceptable fill material.

3. Application

Allow the membrane to relax for approximately 30 minutes before splicing or final securement. Install the RubberGard EPDM LSFR membrane in accordance with the installation instructions and details.

4. Coverage

The dimensions of the membrane are calculated to cover the substrate, including seam overlaps (100 mm for standard seams - 200 mm for seams with batten in the seam) and upstands. Provide an additional length (150 mm) at upstands for easy manipulation.

5. Characteristics

Physical			
	■ Improved fire-resistance properties.		
	■ Excellent resistance to U.V. and ozone.		
	■ Temperature stable from -45°C to 130°C.		
	■ Retains its elasticity at low temperature and resistant to temperature shocks up to 250°C.		
	■ Excellent resistance to alkali rains, less resistant to oil products. Contact with mineral and vegetable oils, petroleum based products, hot bitumen and grease must be avoided.		
Technical		Test Method	Declared Value
	■ Thickness	EN 1849-2	1.1 mm 1.5 mm
	■ Watertightness	EN 1928 (B)	pass
	■ Tensile strength (L/T)	EN 12311-2 (B)	≥ 7 N/mm ²
	■ Elongation (L/T)	EN 12311-2 (B)	≥ 300%
	■ Resistance to static load - soft substrate	EN 12730 (A)	≥ 25 kg
	■ Resistance to static load - hard substrate	EN 12730 (B)	≥ 25 kg
	■ Resistance to impact - soft substrate	EN 12691 (B)	≥ 1700 mm
	■ Resistance to impact - hard substrate	EN 12691 (A)	≥ 200 mm
	■ Tear resistance (L/T)	EN 12310-2	≥ 40 N
	■ Joint peel resistance	EN 12316-2	≥ 50 N/50mm
	■ Joint shear resistance	EN 12317-2	≥ 200 N/50mm
	■ Durability - UV exposure	EN 1297	pass
	■ Foldability at low temperature	EN 495-5	≤ -45°C
	■ Dimensional stability	EN 1107-2	≤ 0.5%
	■ Reaction to fire	EN 13501-1	E
	■ External fire performance	EN 13501-5	B _{ROOF} (t1)

Note: As European standards continue to develop, please contact Firestone Technical Services or Firestone Building Products Website for latest updates on physical properties.



6. Packaging / Storage / Shelf Life

Thickness (mm)	Width (m)	Length (m)	Weight (kg/m ²)
1.14 (0.045") LSFR	3.05 (10')	30.50 (100')	1.51
	5.08 (16.7')		
	6.10 (20')		
	7.62 (25')		
	9.15 (30')		
	12.20 (40')		
1.52 (0.060") LSFR	3.05 (10')	30.50 (100')	2.10
	5.08 (16.7')		
	6.10 (20')		
	7.62 (25')		
	9.15 (30')		
	12.20 (40')		

Storage: Store away from sources of punctures and physical damage. Store away from ignition sources and open flame.

Shelf Life: Unlimited.



RubberGard EPDM FR Fire Retardant Roofing Membrane

1. Description

The Firestone RubberGard EPDM FR Fire Retardant membrane is a 100% cured roofing membrane made of a synthetic rubber Ethylene-Propylene-Diene Terpolymer. The Fire Retardant sheet is made up of a bottom ply of standard and a top ply of fire retardant compound.

2. Preparation

Roofing structure needs to be stable enough to support the temporary loading. Substrates need to be clean, smooth, dry and free of sharp edges, loose or foreign materials, oil, grease and other materials that may damage the membrane. All surface voids greater than 5 mm wide shall be properly filled with an acceptable fill material.

3. Application

Allow the membrane to relax for approximately 30 minutes before splicing or final securement. Install the RubberGard EPDM FR membrane in accordance with the installation instructions and details. It is important that the side of the sheet imprinted with the direction "This Side Down" be installed in direct contact with the substrate to achieve respective fire rating compliance.

4. Coverage

The dimensions of the membrane are calculated to cover the substrate, including seam overlaps (100 mm for standard seams - 200 mm for seams with batten in the seam) and upstands. Provide an additional length (150 mm) at upstands for easy manipulation.

5. Characteristics

Physical	<ul style="list-style-type: none"> ■ Improved fire-resistance properties. ■ Excellent resistance to U.V. and ozone. ■ Temperature stable from -45°C to 130°C. ■ Retains its elasticity at low temperature and resistant to temperature shocks up to 250°C. ■ Excellent resistance to alkali rains, less resistant to oil products. Contact with mineral and vegetable oils, petroleum based products, hot bitumen and grease must be avoided. 	
Technical	Test Method	Declared Value
■ Thickness	EN 1849-2	1.1 mm 1.5 mm
■ Watertightness	EN 1928 (B)	pass
■ Tensile strength (L/T)	EN 12311-2 (B)	≥ 7 N/mm ²
■ Elongation (L/T)	EN 12311-2 (B)	≥ 300%
■ Resistance to static load - soft substrate	EN 12730 (A)	≥ 10 kg
■ Resistance to static load - hard substrate	EN 12730 (B)	≥ 25 kg
■ Resistance to impact - soft substrate	EN 12691 (B)	≥ 1700 mm
■ Resistance to impact - hard substrate	EN 12691 (A)	≥ 200 mm
■ Tear resistance (L/T)	EN 12310-2	≥ 40 N
■ Joint peel resistance	EN 12316-2	≥ 50 N/50mm
■ Joint shear resistance	EN 12317-2	≥ 200 N/50mm
■ Durability - UV exposure	EN 1297	pass
■ Foldability at low temperature	EN 495-5	≤ -45°C
■ Dimensional stability	EN 1107-2	≤ 1%
■ Reaction to fire	EN 13501-1	E
■ External fire performance	EN 13501-5	B _{ROOF} (t1)

Note: As European standards continue to develop, please contact Firestone Technical Services or Firestone Building Products Website for latest updates on physical properties.



6. Packaging / Storage / Shelf Life

Thickness (mm)	Width (m)	Length (m)	Weight (kg/m ²)
1.14 (0.045") FR	2.75 (9')	15.25 (50')	1.51
	3.05 (10')	30.50 (100')	
	6.10 (20')		
	2.28* (7.5')	30.50 (100')	1.51
1.52 (0.060") FR	2.75 (9')	15.25 (50')	2.10
	3.05 (10')	30.50 (100')	
	6.10 (20')		
	2.28* (7.5')	30.50 (100')	2.10

* Packaged two panels per roll.

Storage: Store away from sources of punctures and physical damage. Store away from ignition sources and open flame.

Shelf Life: Unlimited.



RubberGard MAX Reinforced EPDM Roofing Membrane

1. Description

The Firestone RubberGard MAX Reinforced EPDM membrane is a 100% cured roofing membrane made of a synthetic rubber Ethylene-Propylene-Diene Terpolymer. The RubberGard MAX sheet is made of two plies of standard compound, internally reinforced with a high strength polyester weft scrim.

2. Preparation

Roofing structure needs to be stable enough to support the temporary loading. Substrates need to be clean, smooth, dry and free of sharp edges, loose or foreign materials, oil, grease and other materials that may damage the membrane. All surface voids greater than 5 mm wide shall be properly filled with an acceptable fill material.

3. Application

Allow the membrane to relax for approximately 30 minutes before splicing or final securement. Install the RubberGard MAX membrane in accordance with the installation instructions and details.

4. Coverage

The dimensions of the membrane are calculated to cover the substrate, including seam overlaps (100 mm for standard seams - 200 mm for seams with batten or plates in the seam) and upstands. Provide an additional length (150 mm) at upstands for easy manipulation.

5. Characteristics

Physical	<ul style="list-style-type: none"> ■ Good combination of high elasticity and tensile strength. ■ Excellent resistance to U.V. and ozone. ■ Temperature stable from -45°C to 130°C. ■ Retains its elasticity at low temperature and resistant to temperature shocks up to 250°C. ■ Excellent resistance to alkali rains, less resistant to oil products. Contact with mineral and vegetable oils, petroleum based products, hot bitumen and grease must be avoided. 	
Technical	Test Method	Declared value
■ Thickness	EN 1849-2	1.1 mm 1.5
■ Watertightness	EN 1928 (B)	pass
■ Tensile strength (L/T)	EN 12311-2 (A)	≥ 500 N/50mm
■ Elongation at break reinforcement (L/T)	EN 12311-2 (A)	≥ 15%
■ Resistance to static load - soft substrate	EN 12730 (A)	≥ 15 kg
■ Resistance to static load - hard substrate	EN 12730 (B)	≥ 25 kg
■ Resistance to impact - soft substrate	EN 12691 (B)	≥ 2000 mm
■ Resistance to impact - hard substrate	EN 12691 (A)	≥ 400 mm
■ Tear resistance (L/T)	EN 12310-2	≥ 60 N
■ Joint peel resistance	EN 12316-2	≥ 50 N/50mm
■ Joint shear resistance	EN 12317-2	≥ 500 N/50mm
■ Durability - UV exposure	EN 1297	pass
■ Foldability at low temperature	EN 495-5	≤ -45°C
■ Dimensional stability	EN 1107-2	≤ 0.5%
■ Reaction to fire	EN 13501-1	E
■ External fire performance	EN 13501-5	B _{ROOF} (t1)



6. Packaging / Storage / Shelf Life

Thickness (mm)	Width (m)	Length (m)	Weight (kg/m ²)
1.14 (0.045")	2.28 (7.5') 3.05 (10')	30.50 (100')	1.56
1.52 (0.060")	2.28 (7.5') 3.05 (10')	30.50 (100')	2.05

Storage: Store away from sources of punctures and physical damage. Store away from ignition sources and open flame.

Shelf Life: Unlimited.



RubberGard MAX FR Reinforced Fire Retardant EPDM Roofing Membrane

1. Description

The Firestone RubberGard MAX FR Reinforced Fire Retardant EPDM membrane is a 100% cured roofing membrane made of a synthetic rubber Ethylene-Propylene-Diene Terpolymer. The RubberGard MAX FR sheet is made up of two plies of fire retardant compound, internally reinforced with a high strength polyester weft scrim.

2. Preparation

Roofing structure needs to be stable enough to support the temporary loading. Substrates need to be clean, smooth, dry and free of sharp edges, loose or foreign materials, oil, grease and other materials that may damage the membrane. All surface voids greater than 5 mm wide shall be properly filled with an acceptable fill material.

3. Application

Allow the membrane to relax for approximately 30 minutes before splicing or final securement. Install the RubberGard MAX FR membrane in accordance with the installation instructions and details.

4. Coverage

The dimensions of the membrane are calculated to cover the substrate, including seam overlaps (100 mm for standard seams - 200 mm for seams with batten or plates in the seam) and upstands. Provide an additional length (150 mm) at upstands for easy manipulation.

5. Characteristics

Physical	<ul style="list-style-type: none"> ■ Good combination of high elasticity and tensile strength. ■ Excellent fire-resistance properties. ■ Excellent resistance to U.V. and ozone. ■ Temperature stable from -45°C to 130°C. ■ Retains its elasticity at low temperature and resistant to temperature shocks up to 250°C. ■ Excellent resistance to alkali rains, less resistant to oil products. Contact with mineral and vegetable oils, petroleum based products, hot bitumen and grease must be avoided. 	
Technical	Test Method	Declared value
■ Thickness	EN 1849-2	1.1 mm 1.5 mm
■ Watertightness	EN 1928 (B)	pass
■ Tensile strength (L/T)	EN 12311-2 (A)	≥ 500 N/50mm
■ Elongation at break reinforcement (L/T)	EN 12311-2 (A)	≥ 15%
■ Resistance to static load - soft substrate	EN 12730 (A)	≥ 15 kg
■ Resistance to static load - hard substrate	EN 12730 (B)	≥ 25 kg
■ Resistance to impact - soft substrate	EN 12691 (B)	≥ 2000 mm
■ Resistance to impact - hard substrate	EN 12691 (A)	≥ 400 mm
■ Tear resistance (L/T)	EN 12310-2	≥ 60 N
■ Joint peel resistance	EN 12316-2	≥ 50 N/50mm
■ Joint shear resistance	EN 12317-2	≥ 500 N/50mm
■ Durability - UV exposure	EN 1297	pass
■ Foldability at low temperature	EN 495-5	≤ -45°C
■ Dimensional stability	EN 1107-2	≤ 0.5%
■ Reaction to fire	EN 13501-1	E
■ External fire performance	EN 13501-5	B _{ROOF} (t2) B _{ROOF} (t3)



6. Packaging / Storage / Shelf Life

Thickness (mm)	Width (m)	Length (m)	Weight (kg/m ²)
1.14 (0.045") FR	2.28 (7.5') 3.05 (10')	30.50 (100')	1.56
1.52 (0.060") FR	2.28 (7.5') 3.05 (10')	30.50 (100')	2.05

Storage: Store away from sources of punctures and physical damage.

Shelf Life: Unlimited.



QuickPrime Plus

1. Description

Firestone QuickPrime Plus is designed to clean and prime the RubberGard EPDM membrane and/or substrate prior to application of QuickSeam Products, Pourable Sealer or Lap Sealant. QuickPrime Plus must be applied with a QuickScrubber or QuickScrubber Plus pad and handle.

2. Preparation

Surfaces to be primed must be clean, dry and free of foreign materials, talc and dirt. Pre-cleaning with Splice Wash may be required. Stir QuickPrime Plus thoroughly before and during use. When exposed to lower temperatures for a prolonged period of time, restore to room temperature prior to use. Pour the required amount of QuickPrime Plus into a bucket for ease of application.

3. Application

Apply QuickPrime Plus to the RubberGard EPDM surfaces and/or other substrates to receive QuickSeam products with the QuickScrubber or QuickScrubber Plus pad and handle using long back and forth strokes with moderate to heavy pressure along the length of the area. Continue until surfaces become dark grey in colour (no streaking or puddling). Factory seams require parallel as well as perpendicular application motions along the factory seam. When using the QuickScrubber Plus pad and handle, make sure to apply sufficient pressure during application so the pad holder flattens to allow the total surface of the pad to contact with the RubberGard EPDM membrane. Allow the primed surfaces to dry completely according to the touch-push test (usually less than 10 minutes) before applying QuickSeam products.

4. Coverage

Thinning is not allowed. The following rates can be achieved with 1 gallon.

Standard seam with 76 mm (3") Splice Tape: 60 lm – 2 sides.

B.I.S. seam with 152 mm (6") Splice Tape: 45 lm – 2 sides.

QuickSeam R.M.A. Strip: 55 lm – 1 side.

QuickSeam RPF Strip: 60 lm – 1 side.

QuickSeam SA Flashing: 35 lm – 1 side.

QuickSeam FormFlash 300 mm (12"): 45 lm – 1 side.

QuickSeam Flashing 127 mm (5"): 100 lm – 1 side.

QuickSeam Batten Cover: 90 lm – 1 side.

5. Characteristics

Technical		
	■ Base	Synthetic rubber polymers
	■ Colour	Translucent grey
	■ Solvents	Heptane, toluene
	■ Solids (%)	16 - 18
	■ Viscosity	Very thin, free flowing
	■ Specific gravity	0.793 (Water = 1)
	■ Flash point (°C)	-17.8

6. Packaging / Storage / Shelf Life

Packaging: 3.8 l (1 gallon) pails (4 pails per box) and 11.4 l (3 gallon) pails.

Storage: Store in original unopened containers at temperatures between 15°C and 25°C. Keep the material out of direct sunlight until ready for application.

Shelf Life: 12 months can be expected if stored in above-mentioned conditions. Shelf life information is only a recommendation and not a fact of life. The real expiration date highly depends on the history of storage and handling of the accessories. Quality and applicability should thus always be verified: when mixed, product should stir into a smooth and homogeneous blend product with no evidence of major clumping or separation/phasing.

7. Precautions

Flammable. Keep away from sources of ignition. Do not smoke when using. For professional use only. Use only in well ventilated areas. Avoid contact with skin and eyes. Refer to Material Safety Data Sheets. Keep out of the reach of children.



QuickPrime Plus LVOC

1. Description

Firestone QuickPrime Plus LVOC is designed to clean and prime the RubberGard EPDM membrane and/or substrate prior to application of QuickSeam Products, Pourable Sealer or Lap Sealant. QuickPrime Plus LVOC must be applied with a QuickScrubber or QuickScrubber Plus pad and handle.

2. Preparation

Surfaces to be primed must be clean, dry and free of foreign materials, talc and dirt. Pre-cleaning with Splice Wash may be required. Stir QuickPrime Plus LVOC thoroughly before and during use. When exposed to lower temperatures for a prolonged period of time, restore to room temperature prior to use. Pour the required amount of QuickPrime Plus LVOC into a bucket for ease of application.

3. Application

Apply QuickPrime Plus LVOC to the RubberGard EPDM surfaces and/or other substrates to receive QuickSeam products with the QuickScrubber or QuickScrubber Plus pad and handle using long back and forth strokes with moderate to heavy pressure along the length of the area. Continue until surfaces become dark grey in colour (no streaking or puddling). Factory seams require parallel as well as perpendicular application motions along the factory seam. When using the QuickScrubber Plus pad and handle, make sure to apply sufficient pressure during application so the pad holder flattens to allow the total surface of the pad to contact with the RubberGard EPDM membrane. Allow the primed surfaces to dry completely according to the touch-push test (usually less than 10 minutes) before applying QuickSeam products.

4. Coverage

See QuickPrime Plus.

Thining is not allowed. The following rates can be achieved with 1 gallon.

Standard seam with 76 mm (3") Splice Tape: 60 lm – 2 sides.

B.I.S. seam with 152 mm (6") Splice Tape: 45 lm – 2 sides.

QuickSeam R.M.A. Strip: 55 lm – 1 side.

QuickSeam RPF Strip: 60 lm – 1 side.

QuickSeam SA Flashing: 35 lm – 1 side.

QuickSeam FormFlash 300 mm (12"): 45 lm – 1 side.

QuickSeam Flashing 127 mm (5"): 100 lm – 1 side.

QuickSeam Batten Cover: 90 lm – 1 side.

5. Characteristics

Technical		
	■ Base	Synthetic rubber polymers
	■ Colour	Black
	■ Solvents	Hydrocarbon and halogenated solvents
	■ Solids (%)	9 – 10
	■ Viscosity	Very thin, free flowing
	■ Specific gravity	1.146 (Water = 1)
	■ Flash point (°C)	14

6. Packaging / Storage / Shelf Life

Packaging: 3.8 l (1 gallon) pails (4 pails per box) and 11.4 l (3 gallon) pails

Storage: Store in original unopened containers at temperatures between 15°C and 25°C. Keep the material out of direct sunlight until ready for application.

Shelf Life: 12 months can be expected if stored in above-mentioned conditions. Shelf life information is only a recommendation and not a fact of life. The real expiration date highly depends on the history of storage and handling of the accessories. Quality and applicability should thus always be verified: when mixed, product should stir into a smooth and homogeneous blend product with no evidence of major clumping or separation/phasing.

7. Precautions

Flammable. Keep away from sources of ignition. Do not smoke when using. For professional use only. Use only in well ventilated areas. Avoid contact with skin and eyes. Refer to Material Safety Data Sheets. Keep out of the reach of children.



Bonding Adhesive (BA-2004(T))

1. Description

Bonding Adhesive is a solvent based contact adhesive designed specifically for bonding Firestone RubberGard EPDM membranes to approved insulations in addition to wood, metal, masonry and other acceptable substrates.

2. Preparation

Surfaces that will receive Firestone Bonding Adhesive must be clean, smooth, dry, free of sharp edges, loose and foreign materials, oil, grease, and other contaminants. The mating surface shall be cleaned with a brush or clean rag. Stir the adhesive thoroughly (to achieve a uniform mix with no sediment on the bottom and no marbling evident) before and during use. Restore the adhesive to room temperature prior to use, if exposed to temperatures lower than 15°C for a prolonged period.

3. Application

Apply Bonding Adhesive at about the same time to both the exposed underside of the sheet and the substrate to which it will be adhered so as to allow approximately the same drying time.

Apply Bonding Adhesive evenly avoiding areas of accumulation. Apply the Bonding Adhesive with a solvent resistant roller, and roll the adhesive onto the mating surfaces. When applying Bonding Adhesive, ensure complete uniform coverage of both surfaces that will be adhered. Care must be taken not to apply Bonding Adhesive over seam areas. Bonding Adhesive can be dispensed by means of RoofTop SuperSpreader in order to achieve a more uniform coverage and obtain higher coverage rates. Allow adhesive to flash off until tacky (time depending on ambient air conditions) prior to mating the surfaces. Test the adhesive for its dryness, using the touch-push test procedure.

4. Coverage

Coverage rates depend on the smoothness of substrate and method of application.

- Manual application: between 5 and 7 m² per gallon (two sides).
- SuperSpreader: between 7 and 9 m² per gallon (two sides).

Some insulation surfaces are more uneven and porous and will result in a lower coverage rate while smooth non-porous substrates will result in higher coverage rates.

Very porous substrates (rough wood, concrete block) may require two coats of Bonding Adhesive, to ensure proper adhesion. This can be determined by testing a small area. Check by adhering a small piece of membrane to the porous substrate to verify the bonding strength.

5. Characteristics

Physical	<ul style="list-style-type: none">■ Excellent resistance to aging.■ Good resistance to heat and cold.■ Excellent tack time for versatility of installation.■ Outstanding adhesion to approved substrates for maximum performance.
Technical	<ul style="list-style-type: none">■ Base: blend of Neoprene and SBR rubbers■ Colour: Yellow■ Solvents: Acetone, Hexane, Toluene and Xylene■ Viscosity (cp): 3,300-3,800■ Specific gravity: 0.7909-0.8868

6. Packaging / Storage / Shelf Life

Packaging: 18.9 l (5 gallon) pail.

Storage: store in original unopened containers at temperatures between 15°C - 25°C until ready for use. Keep the material out of direct sunlight until ready for application.

Shelf life: 12 months can be expected if stored in above-mentioned conditions. Shelf life information is only a recommendation and not a fact of life. The real expiration date highly depends on the history of storage and handling of the accessories. Quality and applicability should thus always be verified: when mixed, product should stir into a smooth and homogeneous blend with no evidence of major clumping or separation/phasing.

7. Precautions

Refer to Material Safety Data Sheet. Flammable. Keep away from fire and open flame and other possible ignition sources during storage and use. Do not smoke when using. Use only in well ventilated areas. Avoid prolonged contact with skin. Do not contaminate with foreign materials. For professional use only. Keep out of reach of children. Thinning is not allowed.



Modular Water Based Bonding Adhesive (WBA-3781)

1. Description

Modular Water Based Bonding Adhesive is a contact adhesive designed specifically for bonding Firestone RubberGard EPDM membranes to approved insulations in addition to wood, masonry and other acceptable substrates.

2. Preparation

Surfaces that will receive Firestone Bonding Adhesive must be clean, smooth, dry, free of sharp edges, loose and foreign materials, oil, grease, and other contaminants. The mating surface shall be cleaned with a brush or clean rag. Stir the adhesive thoroughly (to achieve a uniform mix with no sediment on the bottom and no marbling evident) before and during use. Restore the adhesive to room temperature prior to use, if exposed to temperatures lower than 15°C for a prolonged period.

3. Application

Apply Bonding Adhesive at about the same time to both the exposed underside of the sheet and the substrate to which it will be adhered so as to allow approximately the same drying time.

Apply Bonding Adhesive evenly avoiding areas of accumulation. Apply the Bonding Adhesive with a solvent resistant roller, and roll the adhesive onto the mating surfaces. When applying Bonding Adhesive, ensure complete uniform coverage of both surfaces that will be adhered. Care must be taken not to apply Bonding Adhesive over seam areas.

Bonding Adhesive can be dispensed by means of RoofTop SuperSpreader in order to achieve a more uniform coverage and obtain higher coverage rates.

Allow adhesive to flash off until tacky (time depending on ambient air conditions) prior to mating the surfaces. Test the adhesive for its dryness, using the touch-push test procedure.

As an alternative to the contact adhesion application method, outlined above, Water Based Bonding Adhesive may also be mated while still wet directly over plywood or OSB substrates only. Apply Water Based Bonding Adhesive over plywood or OSB with a solvent resistant paint roller, taking care to completely cover the plywood or OSB substrate evenly to avoid globs and puddles of adhesive. The EPDM membrane shall be mated as soon as possible after the bonding adhesive is applied by rolling the membrane in place over the plywood or OSB. To ensure proper adhesion, compress the bonded portion of the sheet to the substrate with a stiff push broom or heavy roller. The optional Wet Mating Method is only applicable when membrane is bonded indoors, not exposed to any wind stresses for 48 hours and not exposed to freezing temperatures for minimum 48 hours.

4. Coverage

Coverage rates depend on the smoothness of substrate and method of application.

- Contact Adhesive application: between 6 and 9 m² per gallon.
- Wet mating: between 8 and 10 m² per gallon.

5. Characteristics

Technical	■ Base	Latex
	■ Colour	White (when first applied) Translucent (when carrier evaporates)
	■ Solids (%)	49.0-52.5%
	■ Viscosity (cp)	16000-20000
	■ Specific gravity	1.0

6. Packaging / Storage / Shelf Life

Packaging: 18.9 l (5 gallon) pail.

Storage: store in original unopened containers at temperatures between 15°C - 25°C until ready for use. Keep the material out of direct sunlight until ready for application.

Shelf life: 12 months can be expected if stored in above-mentioned conditions. Shelf life information is only a recommendation and not a fact of life. The real expiration date highly depends on the history of storage and handling of the accessories. Quality and applicability should thus always be verified: when mixed, product should stir into a smooth and homogeneous blend with no evidence of major clumping or separation/phasing.

7. Precautions

Refer to Material Safety Data Sheet. Avoid prolonged contact with skin. Keep away from eyes. Thinning is not allowed.



Splice Wash (SW-100)

1. Description

Firestone Splice Wash SW-100 is designed to clean and prepare contaminated RubberGard EPDM membranes in areas to receive adhesives where required by Firestone specifications and details. Do not use as a pre-wash for any QuickSeam Tape product - QuickPrime Plus must be used for QuickSeam Tape Products.

2. Preparation

Remove excess accumulations of dirt with a brush.

3. Application

Apply Splice Wash to the splicing area using clean cotton rags in a scrubbing motion until the splicing surface is dull black in colour. Take extra care at factory seams and allow the washed surfaces to dry. Membrane is clean when it is uniformly dark grey in colour without streaks.

4. Coverage

Thinning is not allowed. Coverage rate is approximately 20 m² (1 side) per gallon.

5. Characteristics

Physical	■ Flammable liquid	
Technical	■ Colour	Clear
	■ Solvents	Aliphatic hydrocarbon mixture
	■ Viscosity	Very thin, free flowing
	■ Specific gravity	0.75
	■ Flash point (°C)	12.8
	■ Boiling point (°C)	119

6. Packaging / Storage / Shelf Life

Packaging: 18.9 l (5 gallon) - pails.

Storage: Store in original unopened containers at temperatures between 15°C and 25°C away from all sources of direct heat and ignition. This is a flammable liquid. Keep the material out of direct sunlight until ready for application.

Shelf Life: 12 months, when stored in above-mentioned conditions. Verify production date on each pail. Shelf life will be reduced if exposed to higher temperatures.

7. Precautions

Flammable liquid. Keep away from sources of ignition. Do not smoke when using. For professional use only. Use only in well ventilated areas. Avoid contact with skin and eyes. Avoid breathing vapours. Refer to Material Safety Data Sheets. Keep out of the reach of children.



Splice Adhesive (SA-1065)

1. Description

Firestone's Splice Adhesive is a water-repellent contact adhesive, designed for adhering RubberGard membrane and flashing strips to metal gutters or in case of a tie-in to a bituminous membrane as per the Firestone specifications.

2. Preparation

Surfaces to be adhered must be cleaned with Splice Wash using cotton cloths. Allow to dry. Proper cleaning has been achieved when the membrane surface is dark grey in colour and no streaking is evident. As an alternative, the seaming area can also be cleaned using QuickPrime Plus and QuickScrubber or QuickScrubber Plus. Stir the adhesive thoroughly before and during use, achieving a uniform mix with no sediment on the bottom and no marbling evident. Restore the adhesive to room temperature prior to use, if exposed to temperatures lower than 15°C for a prolonged period.

3. Application

Apply a thick, even, smooth coat on both surfaces using a 75 to 100 mm wide, solvent resistant paintbrush. Do not use circular motions for applying Splice Adhesive, do not use paint rollers or a brush attached to a long handle. Allow the adhesive to flash off, prior to mating the surfaces (flash-off time depends on ambient air conditions). Test the adhesive for its dryness, using the push-touch test procedure as described in the installation instructions. Allow the top sheet to fall freely onto the coated substrate so as not to stretch or wrinkle the membrane. Roll the entire surface with a handroller. Apply Lap Sealant along the entire exposed edge.

4. Coverage

Thinning of the adhesive is not allowed. A uniform application is required to avoid mixed results. Coverage rate for a standard splice width of 100 mm, both sides, is 30 lm per gallon.

5. Characteristics

Technical		
■ Base		Synthetic polymers
■ Colour		Black
■ Solvents		Hexane, toluene, xylene
■ Solids (%)		26 (min)
■ Viscosity (cp)		2900-3700
■ Specific gravity		0.876 ± 5%
■ Flash point (° C)		-17.7

6. Packaging / Storage / Shelf Life

Packaging: 3.8 l (1 gallon) pail - 4 pails per box.

Storage: Store in original unopened containers at temperatures between 15°C and 25°C. Keep the material out of direct sunlight until ready for application.

Shelf Life: 12 months, when stored in above-mentioned conditions. Verify production date on each pail. Shelf life will be reduced if exposed to higher temperatures.

7. Precautions

Flammable. Keep away from sources of ignition. Do not smoke when using. For professional use only. Use only in well ventilated areas. Avoid contact with skin and eyes. Refer to Material Safety Data Sheets. Keep out of the reach of children. Recommended cleaner is Firestone Splice Wash (while fluid). After can has been opened once and closed, use remainder of the adhesive within one week.



QuickSeam Splice Tape

1. Description

Firestone's 76 mm (3") and 152 mm (6") QuickSeam Splice Tape is designed for field splicing of RubberGard EPDM membrane panels.

2. Preparation

The RubberGard EPDM surfaces must be prepared with QuickPrime Plus, using a QuickScrubber or QuickScrubber Plus tool. Use of other products is not allowed. Restore the tape to room temperature prior to use if exposed to temperatures below 15°C for prolonged periods.

3. Application

A 76 mm (3") wide tape is used for splicing standard seams without mechanical attachment in the seam. A 152 mm (6") wide tape is used for splicing seams with mechanical attachment centred within the seam. Refer to the Firestone installation guidelines for specific installation instructions.

4. Coverage

In accordance with length of seam. At end of the roll, overlap a minimum of 25 mm (1").

5. Characteristics

Physical	<ul style="list-style-type: none">■ Excellent moisture resistance■ Excellent resistance to heat and cold■ Excellent green tack
Technical	<ul style="list-style-type: none">■ Base Rubber polymers■ Colour Black■ Solvents None■ Solids (%) 100■ State Cured■ Thickness 0.76 mm ± 0.127 mm

6. Packaging / Storage / Shelf Life

Width (mm)	Length (m)	Packaging
76 (3")	30.5 (100')	6 rolls/carton
152 (6")	30.5 (100')	2 rolls/carton

Note: QuickScrubber and/or QuickScrubber Plus pads and handles are included in each carton. Quantities vary depending on the QuickSeam product.

Storage: Store in original unopened containers at temperatures between 15°C and 25°C. Keep the material out of direct sunlight until ready for application.

Shelf Life: 12 months can be expected if stored in above-mentioned conditions. Shelf life information is only a recommendation and not a fact of life. The real expiration date highly depends on the history of storage and handling of the accessories. Quality and applicability should thus always be verified: QuickSeam Tape can be used only as long as the release paper can easily be removed from the tape without tearing the paper apart.

7. Precautions

Refer to Material Safety Data Sheets.



QuickSeam Reinforced Perimeter Fastening Strip

1. Description

Firestone's QuickSeam Reinforced Perimeter Fastening Strip is a 152 mm (6") wide, non-dusted strip of RubberGard MAX Reinforced EPDM membrane with a 76 mm (3") wide QuickSeam tape factory laminated to it along one edge. The strip is used for non-penetrating base tie-ins as described in the Firestone specifications.

2. Preparation

The substrate needs to be clean, smooth, dry and free of sharp edges, loose or foreign materials, oil, grease and other materials that may damage the material.

Restore to room temperature prior to use, if exposed to temperatures below 15°C for prolonged periods.

3. Application

Unroll the QuickSeam Reinforced Perimeter Fastening Strip (QSRPF Strip) with the release paper up and the tape portion furthest away from the wall or penetration. Once the strip lies flat, fasten it to the substrate with Firestone Batten Strips or approved plates and fasteners (max. 300 mm o.c.) and complete the base tie-in detail as per Firestone specifications and details.

4. Coverage

In accordance with length of tie-in detail.

5. Characteristics

Technical	RubberGard MAX	QuickSeam Tape
■ Base	EPDM	Rubber polymers
■ Colour	Black	Black
■ Solvents	None	None
■ Solids (%)	100	100
■ Thickness (mm)	1.52	0.77
■ Width (mm)	152	76

6. Packaging / Storage / Shelf Life

Packaging: 30.5 m (100') rolls, 2 rolls per carton.

Note: QuickScrubber and/or QuickScrubber Plus pads and handles are included in each carton. Quantities vary depending on the QuickSeam product.

Storage: Store in original unopened containers at temperatures between 15°C and 25°C. Keep the material out of direct sunlight until ready for application.

Shelf Life: 12 months can be expected if stored in above-mentioned conditions. Shelf life information is only a recommendation and not a fact of life. The real expiration date highly depends on the history of storage and handling of the accessories. Quality and applicability should thus always be verified: QuickSeam RPF Strip can be used only as long as the release paper can easily be removed from the tape without tearing the paper apart.

7. Precautions

Refer to Material Safety Data Sheets.



QuickSeam R.M.A. Strip

1. Description

Firestone's QuickSeam R.M.A. Strip is a 254 mm (10") wide, non-dusted strip of RubberGard MAX Reinforced EPDM membrane with two 76 mm (3") wide QuickSeam tape strips factory laminated to it along both edges. The strip is used for non-penetrating RubberGard EPDM membrane attachment as specified in the Firestone specifications and details.

2. Preparation

The substrate needs to be clean, smooth, dry and free of sharp edges, loose or foreign materials, oil, grease and other materials that may damage the material.
Restore to room temperature prior to use, if exposed to temperatures below 15°C for prolonged periods.

3. Application

Unroll the QuickSeam R.M.A. Strip with the release paper up in accordance with the layout plan specified. Once the strip lays flat, fasten it to the substrate with Firestone Batten Strips or approved plates and fasteners (max. 250 mm o.c.) and install the RubberGard EPDM membrane as specified in the Firestone specifications and details.

4. Coverage

In accordance with length of mechanical attachment.

5. Characteristics

Technical	RubberGard MAX	QuickSeam Tape (2 x)
■ Base	EPDM	Rubber polymers
■ Colour	Black	Black
■ Solvents	None	None
■ Solids (%)	100	100
■ Thickness (mm)	1.26	0.63
■ Width (mm)	254	76

6. Packaging / Storage / Shelf Life

Packaging: 30.5 m (100') rolls, 1 roll per carton.

Note: QuickScrubber and/or QuickScrubber Plus pads and handles are included in each carton. Quantities vary depending on the QuickSeam product.

Storage: Store in original unopened containers at temperatures between 15°C and 25°C. Keep the material out of direct sunlight until ready for application.

Shelf Life: 12 months can be expected if stored in above-mentioned conditions. Shelf life information is only a recommendation and not a fact of life. The real expiration date highly depends on the history of storage and handling of the accessories. Quality and applicability should thus always be verified: QuickSeam R.M.A. Strip can be used only as long as the release paper can easily be removed from the tape without tearing the paper apart.

7. Precautions

Refer to Material Safety Data Sheets.



QuickSeam Batten Cover Strip

1. Description

The Firestone QuickSeam Batten Cover strip is a 152 mm wide (6") semi-cured EPDM strip laminated to a QuickSeam tape. The strip is designed to cover and seal Batten Strips as specified in the Firestone mechanically attached system.

2. Preparation

The RubberGard EPDM surfaces and attachment components within the seaming area must be prepared with QuickPrime Plus, using a QuickScrubber or QuickScrubber Plus tool. Use of other products is not allowed. Restore the product to room temperature prior to use if exposed to temperatures below 15°C for prolonged periods.

3. Application

Only apply the strip in one dimension, i.e. do not work the product from horizontal to vertical. Refer to the Firestone Specifications for specific installation instructions.

4. Coverage

In accordance with length of Batten Strip to be covered. Provide an overlap of 75 mm minimum at the end of the bar. Adjoining QuickSeam Batten Cover strips require an overlap of 25 mm and a cover patch.

5. Characteristics

Technical	EPDM Flashing	QuickSeam Tape
■ Base	EPDM	Rubber polymer
■ Colour	Black	Black
■ Solvents	None	None
■ Solids (%)	100	100
■ State	Semi-cured	Cured
■ Thickness (mm)	1.02	0.88
■ Width (mm)	152	156

6. Packaging / Storage / Shelf Life

Packaging: 30.5 m (100') rolls, 2 rolls per carton.

Note: QuickScrubber and/or QuickScrubber Plus pads and handles are included in each carton. Quantities vary depending on the QuickSeam product.

Storage: Store in original unopened containers at temperatures between 15°C and 25°C. Keep the material out of direct sunlight until ready for application.

Shelf Life:

12 months can be expected if stored in above-mentioned conditions. Shelf life information is only a recommendation and not a fact of life. The real expiration date highly depends on the history of storage and handling of the accessories. Quality and applicability should thus always be verified: QuickSeam Batten Cover Strip can be used only as long as the release paper can easily be removed from the tape without tearing the paper apart.

7. Precautions

Refer to Material Safety Data Sheets.



QuickSeam Flashing

1. Description

QuickSeam Flashing is a 127 mm (5") wide uncured EPDM strip laminated to a QuickSeam tape. The strip is designed to flash metal roof edging profiles and other details, as specified in the Firestone EPDM Systems.

2. Preparation

The RubberGard EPDM surfaces and metal profiles must be prepared with QuickPrime Plus, using a QuickScrubber or QuickScrubber Plus tool. Use of other products is not allowed. Restore the product to room temperature prior to use if exposed to temperatures below 15°C for prolonged periods.

3. Application

Only apply the strip in one or two dimensions (flat or maximum one angle change). Do not use the product for 3-dimensional details (e.g. corners) or details where the product will have to be stretched.

4. Coverage

In accordance with length of edge detail. Adjoining strips require an overlap of 25 mm and a cover patch.

5. Characteristics

Technical	EPDM Flashing	QuickSeam Tape
■ Base	EPDM	Rubber polymers
■ Colour	Black	Black
■ Solvents	None	None
■ Solids (%)	100	100
■ State	Uncured	Cured
■ Thickness (mm)	1.14	1.14
■ Width (mm)	127	133

6. Packaging / Storage / Shelf Life

Packaging: 30.5 m (100') rolls, 2 rolls per carton.

Note: QuickScrubber and/or QuickScrubber Plus pads and handles are included in each carton. Quantities vary depending on the QuickSeam product.

Storage: Store in original unopened containers at temperatures between 15°C and 25°C. Keep the material out of direct sunlight until ready for application.

Shelf Life: 6 to 9 months, when stored in above-mentioned conditions. Verify production date on each roll. Shelf life will be reduced if exposed to higher temperatures.

7. Precautions

Refer to Material Safety Data Sheets.



QuickSeam FormFlash

1. Description

QuickSeam FormFlash consists of a 229 mm (9") or 305 mm (12") uncured EPDM strip factory laminated to QuickSeam Tape. The strip is designed to flash inside and outside corners, pipes, penetrations and other applications as specified in the Firestone specifications and details.

2. Preparation

The RubberGard EPDM surfaces and/or mating surfaces must be prepared with QuickPrime Plus, using a QuickScrubber or QuickScrubber Plus tool. Use of other products is not allowed. Restore the product to room temperature prior to use if exposed to temperatures below 15°C for prolonged periods.

3. Application

On cloudy days with ambient temperature below 15°C, the use of a heat gun is recommended to warm the QuickSeam FormFlash and to ensure good formability. On sunny days, pre-heating of the product is usually not necessary. QuickSeam FormFlash is to be applied as per the Firestone specifications and details.

4. Coverage

In accordance with length of detail.

5. Characteristics

Technical	EPDM Flashing	QuickSeam Tape
■ Base	EPDM	Rubber polymers
■ Colour	Black	Black
■ Solvents	None	None
■ Solids (%)	100	100
■ State	Uncured	Cured
■ Thickness (mm)	1.6	0.6
■ Width (mm)	229 - 305	235 - 311

6. Packaging / Storage / Shelf Life

Packaging: 15.2 m (50') rolls, 2 rolls per carton (9") - 1 roll per carton (12").

Note: QuickScrubber and/or QuickScrubber Plus pads and handles are included in each carton. Quantities vary depending on the QuickSeam product.

Storage: Store in original unopened containers at temperatures between 15°C and 25°C. Keep the material out of direct sunlight until ready for application.

Shelf Life: 12 months, when stored in above-mentioned conditions. Verify production date on each roll. Shelf life will be reduced if exposed to higher temperatures.

7. Precautions

Refer to Material Safety Data Sheets.



QuickSeam SA Flashing

1. Description

Firestone QuickSeam SA Flashing is a 457 mm wide, 1.52 mm thick non-reinforced RubberGard membrane fully laminated to Firestone QuickSeam Tape. It has a polyester release liner for easy removal and excellent weather resistance. QuickSeam SA Flashing is a labor saving and environmentally friendly alternative to conventional methods that utilize contact adhesive for attachment. The SA Flashing can be used to easily wrap curbs, flash parapets and line gutters, carry out general roof repairs where cured EPDM is required, flash in drain insert pieces and pipe flanges.

2. Preparation

The RubberGard EPDM surfaces and/or mating surfaces must be prepared with QuickPrime Plus, using a QuickScrubber or QuickScrubber Plus tool. Use of other products is not allowed. Restore the product to room temperature prior to use if exposed to temperatures below 15°C for prolonged periods.

3. Application

Refer to the Firestone specifications for specific installation instructions.

4. Coverage

In accordance with length of detail to be covered. Adjoining strips require an overlap of 25 mm and a QuickSeam FormFlash cover patch.

5. Characteristics

Physical	<ul style="list-style-type: none">■ Superior ozone and ultraviolet resistance.■ Remains flexible over wide temperature variations.■ Application temperature range is between -20°C and 50°C.■ Outstanding adhesion to approved substrates for maximum performance.		
Technical		EPDM Flashing	QuickSeam Tape
	<ul style="list-style-type: none">■ Base■ Colour■ Solvents■ Solids (%)■ State■ Thickness (mm)■ Width (mm)	EPDM Black None 100 Cured 1.52 457	Rubber polymers Black None 100 Cured 0.51 457

6. Packaging / Storage / Shelf Life

Packaging: 15.25 m (50') rolls, 1 roll per carton.

Note: QuickScrubber and/or QuickScrubber Plus pads and handles are included in each carton. Quantities vary depending on the QuickSeam product.

Storage: Store in original unopened containers at temperatures between 15°C and 25°C. Keep the material out of direct sunlight until ready for application.

Shelf life: 12 months can be expected if stored in above-mentioned conditions. Shelf life information is only a recommendation and not a fact of life. The real expiration date highly depends on the history of storage and handling of the accessories. Quality and applicability should thus always be verified: QuickSeam SA Flashing Strip can be used only as long as the release paper can easily be removed from the tape.

7. Precautions

Refer to Material Safety Data Sheet.



QuickSeam Pipe Flashing

1. Description

Firestone's QuickSeam Pipe Flashing is specifically designed to be used for flashing of rigid round penetrations of 25 mm to 150 mm. It is a pre-fabricated pipe boot with a Quickseam tape laminated to the bottom of the flange of the boot. Each QuickSeam Pipe Flashing will fit various penetrations and shall be cut at correct pipe diameter before installation.

2. Preparation

Penetration must be clean of prior flashing and foreign materials. The RubberGard EPDM surface must be prepared with QuickPrime Plus, using a QuickScrubber or QuickScrubber Plus tool. Use of other products is not allowed.

3. Application

Cut along the top edge of the ring on the QuickSeam Pipe Flashing corresponding to the size of the pipe. Install the pipe flashing, clamping ring and Lap Sealant per Firestone specifications and details.

4. Coverage

1 piece per penetration.

5. Characteristics

Technical	Moulded Pipe Flashing	QuickSeam Tape
■ Base	Moulded EPDM	Rubber polymers
■ Colour	Black	Black
■ State	Cured	Cured
■ Thickness (mm)	1.4 - 1.9	0.76
■ Flange diameter (mm)	330	
The QuickSeam Pipe Flashing fits the following penetration outside diameters:		
■ 25 mm - 35 mm		
■ 41 mm - 48 mm		
■ 51 mm - 67 mm		
■ 70 mm - 92 mm		
■ 102 mm - 114 mm		
■ 127 mm - 141 mm		

6. Packaging / Storage / Shelf Life

Packaging: 10 pieces per carton. Stainless steel - worm gear type clamps are included.

Storage: Store in original unopened containers at temperatures between 15°C and 25°C. Keep the material out of direct sunlight until ready for application.

Shelf Life: 12 months can be expected if stored in above-mentioned conditions. Shelf life information is only a recommendation and not a fact of life. The real expiration date highly depends on the history of storage and handling of the accessories. Quality and applicability should thus always be verified: QuickSeam Pipe Flashing can be used only as long as the release paper can easily be removed from the tape without tearing the paper apart.

7. Precautions

Refer to Material Safety Data Sheets.



QuickSeam Conduit Flashing

1. Description

Firestone's QuickSeam Conduit Flashing is specifically designed to be used for flashing of rigid round penetrations and conduits from 13 mm to 64 mm. It is a pre-fabricated pipe boot with a QuickSeam tape laminated to the bottom of the flange of the boot. Each Conduit Flashing will fit various penetrations and shall be cut at correct pipe diameter before installation.

2. Preparation

Penetration must be clean of prior flashing and foreign materials. The RubberGard EPDM surface must be prepared with QuickPrime Plus, using a QuickScrubber or QuickScrubber Plus tool. Use of other products is not allowed.

3. Application

Cut along the top edge of the ring on the QuickSeam Conduit Flashing corresponding to the size of the pipe. Install the conduit flashing, clamping ring and Lap Sealant per Firestone specifications and details.

4. Coverage

1 piece per penetration.

5. Characteristics

Technical	Moulded Pipe Flashing	QuickSeam Tape
■ Base	Moulded EPDM	Rubber polymers
■ Colour	Black	Black
■ State	Cured	Cured
■ Thickness (mm)	1.4 - 1.9	0.76
■ Flange diameter (mm)	229	

The QuickSeam Conduit Flashing fits the following penetration outside diameters:

- 13 mm
- 19 mm
- 25 mm
- 32 mm
- 37 mm
- 45 mm
- 51 mm
- 57 mm
- 64 mm

6. Packaging / Storage / Shelf Life

Packaging: 10 pieces per carton. Stainless steel - worm gear type clamps are included.

Storage: Store in original unopened containers at temperatures between 15°C and 25°C. Keep the material out of direct sunlight until ready for application.

Shelf Life: 12 months can be expected if stored in above-mentioned conditions. Shelf life information is only a recommendation and not a fact of life. The real expiration date highly depends on the history of storage and handling of the accessories. Quality and applicability should thus always be verified: QuickSeam Conduit Flashing can be used only as long as the release paper can easily be removed from the tape without tearing the paper apart.

7. Precautions

Refer to Material Safety Data Sheets.



QuickSeam Penetration Pocket Kit

1. Description

Firestone's QuickSeam Penetration Pocket Kit is specifically designed to be used around small pipe penetrations, clusters of pipes, I-beams etc..
QS6 accommodates penetrations up to 101 mm outside diameter, QS10 accommodates penetrations up to 203 mm outside diameter.

2. Preparation

Remove existing flashing materials, rust, dirt etc. from penetration prior to installing the QuickSeam Penetration Pocket. Seal around the penetration prior to installation to prevent Pourable Sealer from flowing into the roof system and possibly into the building. Prime the penetration and the roof membrane with QuickPrime Plus.

3. Application

Apply QuickPrime Plus to the inside of the reinforcing ring. After the primer has dried, place the plastic ring, centering it around the penetration. Ensure that there is a minimum of 25 mm clearance between the sides of the penetration and ring to allow for Pourable Sealer. If a 25 mm clearance cannot be achieved, then a field fabricated penetration pocket must be used. Cut the Pocket along the line provided on the flange and up the side. With the release paper intact, place the pocket around the plastic ring so that the top lip covers the plastic ring. Remove the paper and attach the flange to the membrane. Repair the cut in the pocket using the QuickSeam Corner Flashing provided in the kit.

4. Coverage

One piece per penetration pocket.

5. Characteristics

Technical		QS6	QS10
	■ Base	EPDM	EPDM
	■ Colour	Black	Black
Size	■ Inside diameter	170 mm	271 mm
	■ Height	50 mm	50 mm
	■ Thickness	1.1 mm	1.1 mm
	■ Tape	76 mm	63 mm
	■ Inside dia. plastic Ring	152 mm	254 mm

6. Packaging/Storage/Shelf Life

Packaging: kit includes 6 molded EPDM Penetration Pockets, 6 plastic reinforcing rings, 6 QuickSeam Corner Flashings (dia. 292 mm), 2 stir sticks, 1 QuickSeam pad and handle.

Storage: Store in original unopened containers at temperatures between 15°C and 25°C. Keep the material out of direct sunlight until ready for application.

Shelf Life: 9 months can be expected if stored in above-mentioned conditions. Shelf life will be reduced if exposed to higher temperatures.

7. Precautions

Refer to Material Safety Data Sheets.



QuickSeam Walkway Pad

1. Description

Firestone QuickSeam Walkway Pads are high quality rubber pads with QuickSeam Tape factory laminated to the bottom and are used for protection of the EPDM membrane in areas of regular roof traffic (periodical maintenance around mechanical equipment, access doors, etc.).

2. Preparation

The RubberGard EPDM surface must be prepared with QuickPrime Plus, using a QuickScrubber or QuickScrubber Plus tool. Use of other products is not allowed.

3. Application

Position the QuickSeam Walkway Pads so that the flat surface is over the completed RubberGard membrane, spacing each pad a minimum of 25 mm and a maximum of 150 mm from each other to allow for drainage. If the installation of the Pads over field fabricated seams or within 75 mm of a lap edge can not be avoided, the seam must be stripped in using QuickSeam FormFlash/ Flashing. The cover strip must extend beyond the walkway pad a minimum of 150 mm each side of the pad.

When installing walkway pads on a ballasted system, additional ballast must be added around the pads to maintain the required ballast coverage per m². Do not install walkway pads within 3 m of a roof edge when used in conjunction with ballasted systems. Concrete paving stones must be used in these areas.

4. Coverage

In accordance with length of detail.

5. Characteristics

Technical	Walkway Pad	Tape
■ Base	Rubber polymers	Rubber polymers
■ Colour	Black	Black
■ Solids (%)	100	100
■ State	Cured	Cured
■ Thickness (mm)	7.6	0.76
■ Brittleness temperature (°C)	-40	-

6. Packaging / Storage / Shelf Life

Packaging: Size 762 x 762 mm. Bundled 50 pieces/pack.

Storage: Store in original unopened containers at temperatures between 15°C and 25°C. Keep the material out of direct sunlight until ready for application.

Shelf Life: 12 months can be expected if stored in above-mentioned conditions. Shelf life information is only a recommendation and not a fact of life. The real expiration date highly depends on the history of storage and handling of the accessories. Quality and applicability should thus always be verified: QuickSeam Walkway Pad can be used only as long as the release paper can easily be removed from the tape without tearing the paper apart.

7. Precautions

Refer to Material Safety Data Sheets.



Lap Sealant HS

1. Description

Firestone Lap Sealant is designed to seal and mechanically protect the exposed cut edge of QuickSeam Products. Lap Sealant is also used as a general purpose sealant in other applications as specified by current Firestone specifications and details.

2. Preparation

Surfaces on which Lap Sealant is to be applied must be clean, dry, and free from loose and foreign materials, oil and grease. The surfaces that are to be sealed must be cleaned with QuickPrime Plus. Wait minimum 4 hours between splicing and application of Lap Sealant. Under bad weather conditions, Lap Sealant must be applied before the end of the working day. Restore to room temperature prior to use, if exposed to lower temperatures (< 15°C) for a prolonged period.

3. Application

The sealant is applied with a mastic gun at the specified location using the plastic nozzle applicator supplied by Firestone, being sure to keep the nozzle applicator centred over the lap step-off. Take care to leave a mound of Lap Sealant directly over the splice edge.

4. Coverage

Coverage rate of 6 to 7 lm per tube.

5. Characteristics

Technical		
	■ Base	EPDM
	■ Colour	Black
	■ Solvents	Light aliphatic solvent
	■ Solids (%)	Min. 80
	■ Specific gravity	1.34 - 1.46
	■ Flash point (°C)	11

6. Packaging / Storage / Shelf Life

Packaging: 25 tubes/carton.

Storage: Dry and clean. Store in original unopened containers at temperatures between 15°C and 25°C. Keep the material out of direct sunlight until ready for application.

Shelf Life: 12 months, when stored in above-mentioned conditions. Shelf life will be reduced if exposed to higher temperatures.

7. Precautions

Flammable. Keep away from sources of ignition. Do not smoke when using. For professional use only. Use only in well ventilated areas. Avoid contact with skin and eyes. Refer to Material Safety Data Sheets. Keep out of the reach of children. Recommended cleaner is rubbing alcohol followed by soap and water.



Water Block Seal (S-20)

1. Description

Firestone Water Block Seal is designed to provide a watertight seal when used in compression as specified in drains, scuppers, wall terminations and other system details.

2. Preparation

Surfaces on which Water Block Seal is to be applied must be clean, dry and free from loose parts of concrete, stone, mortar, foreign materials, and other contaminants. Restore to room temperature prior to use, if exposed to lower temperatures (< 15°C) for a prolonged period.

3. Application

The Sealant is applied with a mastic gun at the specified location and put under a continuous compression.

4. Coverage

3 lm per tube or 2 drains per tube. Thinning is not allowed.

5. Characteristics

Technical		
	■ Base	Butyl rubber
	■ Colour	Grey
	■ Solvents	Heptane
	■ Solids	86%
	■ Viscosity (26°C) (cp)	1.600.000 +/- 300.000
	■ Specific gravity	1.31
	■ Flash point (° C)	-10

6. Packaging / Storage / Shelf Life

Packaging: 25 tubes/carton.

Storage: Dry and clean. Store in original unopened containers at temperatures between 15°C and 25°C. Keep the material out of direct sunlight until ready for application.

Shelf Life: 12 months, when stored in above-mentioned conditions. Shelf life will be reduced if exposed to higher temperatures.

7. Precautions

Flammable. Keep away from sources of ignition. Do not smoke when using. For professional use only. Use only in well ventilated areas. Avoid contact with skin and eyes. Refer to Material Safety Data Sheets. Keep out of the reach of children. Recommended cleaners are mineral spirits, naphtha or kerosene.



Pourable Sealer S-10 (Parts A and B)

1. Description

Firestone Pourable Sealer is a two component sealer designed to create a watertight seal around small pipe penetrations, clusters of pipes, I-beams etc. in a penetration pocket detail.

2. Preparation

Surfaces on which Pourable Sealer is to be applied must be clean, dry, and free from loose and foreign materials, oil, grease, water and other contaminants. Restore Pourable Sealer to room temperature prior to use, if exposed to lower temperatures (< 15°C) for a prolonged period.

3. Application

After preparation of the penetration pocket per Firestone details, pour Part B into Part A and mix thoroughly using a drill with a mixing blade. Mix until the Part A material is uniformly black in colour. If material contains grey streaks, then mixing should continue. Mix so that the material on the bottom and sides of the can is fully circulated and mixed. Carefully pour the thoroughly mixed Pourable Sealer into the penetration pocket. Fill penetration pocket so as to allow shedding of water from the actual penetration.

4. Coverage

Use 1 mixture of part A and part B to fill up a volume of 3375 cm³ (e.g. 1 time 15 x 15 x 15 cm³ or 3 times 15 x 15 x 5 cm³). Minimum thickness applied is 50 mm. Thinning is not allowed.

5. Characteristics

Technical	■ Base	Polyurethane
	■ Colour	Black (mixed) / Part A : Light grey / Part B : Black
	■ Solvents	None
	■ Solids (%)	100
	■ Viscosity (cp)	Part A : 250,000 - 325,000 / Part B : Thin, free flowing
	■ Specific gravity	Part A : 1.25 / Part B : 1.14
	■ Flash point (°C)	Part A : 185 / Part B : 218
	■ Pot life	Max. 30 minutes - mixed at 22°C

6. Packaging / Storage / Shelf Life

Packaging: 4 x 1 gallon/carton.

Storage: Store in original unopened containers at temperatures between 15°C and 25°C. Keep the material out of direct sunlight until ready for application.

Shelf Life: 12 months, when stored in above-mentioned conditions. Shelf life will be reduced if exposed to higher temperatures.

7. Precautions

Keep away from fire and open flame during storage and use. Do not smoke when using. For professional use only. Use only in well ventilated areas. Avoid contact with skin and eyes. Pourable Sealer is extremely difficult to remove. Disposable gloves are recommended when mixing and dispensing Pourable Sealer. Eye protection must be worn during mixing and installation. Refer to Material Safety Data Sheets. Avoid moisture contamination. Contact with water can generate explosive pressure in a closed container. Recommended cleaners are mineral spirits, naphtha or kerosene.



FillGard Pourable Sealer

1. Description

Firestone FillGard Pourable Sealer is a two-component polyurethane sealant designed to create a watertight seal around small pipe penetrations, clusters of pipes, I-beams etc. in a penetration pocket detail. It can also be used to seal and protect QuickSeam tape field fabricated seams in a green roofing application.

2. Preparation

Surfaces on which Pourable Sealer is to be applied must be clean, dry and free from loose and foreign materials, oil, grease, water and other contaminants.

3. Application

After surface preparation and preparation of the penetration pocket per Firestone details, remove the fill cap and cartridge plugs and attach the mixer. Load the FillGard kit into the FillGard Dispenser (sold separately) in an upward position. Dispense the FillGard Pourable Sealer into the penetration pocket. Fill pocket so that water will shed away from the actual penetration.

4. Coverage

Each FillGard kit contains 885 cm³ of Pourable Sealer. Four kits are approx. equivalent to one gallon of Pourable Sealer. 4 - 6% waste should be considered when calculating quantities.

5. Characteristics

The 2 components used for FillGard are identical with regard to material and performance of the Pourable Sealer offered in 1-gallon pails.

6. Packaging/Storage/Shelf Life

Packaging: packaged in kits comprised of individual cartridges of Part A (750 ml) and Part B (150 ml) and a static mixer – 6 kits per carton.

Storage: Store in original unopened containers at temperatures between 15°C and 25°C. Keep the material out of direct sunlight until ready for application. Store the FillGard Kits on their sides to avoid leakage.

Shelf Life: 12 months, when stored in above-mentioned conditions. Shelf life will be reduced if exposed to higher temperatures.

7. Precautions

Keep away from fire and open flame during storage and use. Do not smoke when using. For professional use only. Use only in well ventilated areas. Avoid contact with skin and eyes. Pourable Sealer is extremely difficult to remove. Refer to Material Safety Data Sheets. Avoid moisture contamination. Recommended cleaners are mineral spirits, naphtha or kerosene.



All Purpose Fastener

1. Description

Firestone All Purpose Fasteners are specifically designed for mechanical attachment of the RubberGard EPDM membrane, roofing insulation (using acceptable insulation fastening plates) or accessories such as batten strips, termination bars, etc. to steel, plywood and timber decks.

2. Preparation

Substrate must be sound and dry. For some substrates Firestone will require a pull-out test prior to installation. Refer to the chapter of design criteria for additional information.

3. Application

Threads must engage the decking material per Firestone specifications. Install fasteners with low speed hammer drill. Use # 3 hardened Phillips bit to drive fasteners. Do not over- or under-drive fasteners. Fasteners should typically penetrate through steel decks a minimum of 19 mm; into or through wooden decks a minimum of 25 mm.

4. Coverage

The quantity of fasteners should be in compliance with wind design requirements.

5. Characteristics

Technical	■ Material	SAE 1022, Heat treated steel
	■ Colour	Red or white
	■ Thread size (mm)	6.0
	■ Threads/inch	13
	■ Head	# 3 Phillips Drive
	■ Typical pull-out	1600-1800 N in 0.75 mm steel deck 1600-1800 N in 19 mm Plywood deck
	■ Corrosion	Electro deposition (E-coat)

6. Packaging / Storage / Shelf Life

Screw Length (mm)	Screw Length (")	Thread Length (mm)	Pieces/pail
32	1 1/4	Full	1000
41	1 5/8	Full	1000
57	2 1/4	Full	1000
73	2 7/8	Full	1000
83	3 1/4	76	1000
95	3 3/4	76	1000
114	4 1/2	76	1000
127	5	102	1000
152	6	102	1000
178	7	102	500
203	8	102	500

Storage: Dry and clean.

Shelf Life: Unlimited, if stored properly.

7. Precautions

Eye protection is recommended during installation.



Heavy Duty Fastener

1. Description

Firestone Heavy Duty Fasteners are specially designed to be used in roofing applications that require outstanding system performance. The fastener is used for mechanical attachment of the RubberGard EPDM membrane, roofing insulation (utilizing acceptable insulation fastening plates) and accessories to steel, wood, concrete and other decks where approved by Firestone technical specifications.

2. Preparation

Substrate must be sound and dry. For some substrates Firestone will require a pull-out test prior to installation. Refer to the chapter of design criteria for additional information.

3. Application

Threads must engage the decking material. Install fasteners with low speed hammer drill. Use # 3 hardened Phillips bit to drive fasteners. If pre-drilling of the deck substrate is necessary, use a hammer-drill in impact mode with a 5.56 mm carbide drill bit. Do not over- or under-drive fasteners. Fasteners should typically penetrate through steel decks a minimum of 19 mm, into or through wooden decks or into concrete decks a minimum of 25 mm.

4. Coverage

The quantity of fasteners should be in compliance with design requirements.

5. Characteristics

Technical		
■ Material	SAE 1022, Heat treated steel	
■ Colour	Red or white	
■ Thread size (mm)	7.0	
■ Threads/inch	13	
■ Head	# 3 Phillips Drive	
■ Typical pull-out	2600 N in 0,75 mm steel deck, 3100 N in new structural concrete decks, 1600 N in 12 mm Plywood deck	
■ Corrosion	Base coat grey epoxy (electro-deposition) with two coats acrylic	

6. Packaging / Storage / Shelf Life

Screw Length (mm)	Screw Length (")	Thread Length (mm)	Pieces/pail
32	1 1/4	Full	1000
51	2	Full	1000
76	3	Full	1000
102	4	76	1000
127	5	102	1000
152	6	102	500
178	7	102	500
203	8	102	500
254	10	102	500*
305	12	102	500*
356	14	102	500*

* Packaged in cardboard boxes due to fastener length.

Storage: Dry and clean.

Shelf Life: Unlimited, if stored properly.

7. Precautions

Eye protection is recommended during installation.



Insulation Fastening Plate

1. Description

The Firestone Insulation Plate is specifically designed to be used with Firestone All-Purpose and Heavy-Duty fasteners in roofing applications for attaching Firestone ISO 95+ GL and ISOGARD HD boards as required by Firestone Specifications. These plates provide a flat and smooth support for the membrane and limit the risk for membrane puncture in case of extensive green roofing or PV panel installation. They are not to be used for membrane attachment or attachment of QuickSeam RMA or RPFS strip.

2. Application

Position insulation plates over the ISO boards as specified in the installation instructions. Attach the plates to the roof deck using the appropriate Firestone fastener. Install plates ribbed side up with the "Firestone" identification visible.

3. Coverage

In compliance with the requirements.

4. Characteristics

Technical	
■ Material	Galvalume® AZ50
■ Diameter (mm)	76
■ Thickness (mm)	0.43 / 0.58
■ Pull-Through resistance	1179 N from centre hole

5. Packaging / Storage / Shelf life

Packaging: 1000 plates per pail

Storage: Store in unopened original containers protected from the weather.

Shelf life: Unlimited, if properly stored



V-Plate

1. Description

The Firestone V-Plate is specifically designed to be used with Firestone All-Purpose and Heavy-Duty fasteners to attach Firestone RubberGard MAX (Reinforced) membrane and Firestone QuickSeam RPF strip as shown in Firestone specifications and details.

2. Preparation

Firestone V-Plate can only be used to fasten reinforced membranes/accessories. They are not to be used for insulation attachment or attachment of non-reinforced membrane.

3. Application

Layout the V-plates as specified in the installation instructions and attach them to the substrate using the appropriate Firestone fastener.

4. Coverage

In compliance with the requirements.

5. Characteristics

Technical		
■ Material		CQ grade steel with AZ 55 Galvalume® coating
■ Diameter (mm)		57
■ Thickness (mm)		0.84/0.99
■ Pull-Through resistance		1774 N from centre hole

6. Packaging / Storage / Shelf Life

Packaging: 500 plates/pail.

Storage: Store in original unopened container protected from the weather.

Shelf Life: Unlimited, if properly stored.



Metal Batten Strip

1. Description

Firestone Metal Batten Strip is designed for mechanical attachment of the RubberGard EPDM roofing membrane and flashing details as specified in Firestone specifications and details.

2. Preparation

When site cutting of the Metal Batten Strip is necessary, all cut surfaces must be rounded and filed to remove burrs and sharp edges.

3. Application

Layout the Metal Batten Strips as specified and attach them to the substrate using the appropriate Firestone fastener. To avoid buckling of the strip, start at one end of the batten strip and fasten towards the other. Do not overdrive or underdrive the fastener.

4. Coverage

In compliance with the requirements. Adjoining strips need to overlap and are to be fastened with a single fastener.

5. Characteristics

Technical		
■ Material		Galvalume® AZ 55
■ Length (m)		3.05
■ Width (mm)		25.4
■ Thickness (mm)		1.13/1.29
■ Holes (mm)		152 mm o.c.

6. Packaging / Storage / Shelf Life

Packaging: 50 pieces (3.05 m)/cardboard tube (152.4 m).

Storage: Store in original unopened container protected from the weather.

Shelf Life: Unlimited, if properly stored.



Coiled Metal Batten Strip

1. Description

Firestone Coiled Metal Batten Strip is designed for mechanical attachment of the RubberGard EPDM roofing membrane and flashing details as specified in Firestone specifications and details.

2. Preparation

When site cutting of the Coiled Metal Batten Strip is necessary, all cut surfaces must be rounded and filed to remove burrs and sharp edges.

3. Application

Unroll Coiled Metal Batten Strip in a straight line by anchoring one end and pulling out 10 lm and anchoring again. Set the fastener head flush with the strip. Use the longest lengths practical. Do not overdrive or underdrive fasteners.

4. Coverage

In compliance with the requirements. Adjoining strips need to overlap and are to be fastened with a single fastener.

5. Characteristics

Technical		
	■ Material	Galvalume® AZ 55
	■ Length (m)	67 m per coil
	■ Width (mm)	25.4
	■ Thickness (mm)	1.13/1.29
	■ Holes (mm)	76 mm o.c.
	■ Weight (kg)	14.5 kg per coil

6. Packaging / Storage / Shelf Life

Packaging: 67 lin.m. per coil in a weather-resistant cardboard dispensing package.

Storage: Store in original unopened container protected from the weather.

Shelf Life: Unlimited, if properly stored.



Termination Bar

1. Description

Firestone Termination Bar is designed for termination of the RubberGard EPDM membrane against smooth walls in all Firestone Systems.

2. Preparation

Substrate must be sound, smooth, dry and free from dust, dirt, oil and other contaminants prior to installation. Wall areas above Termination Bar must be waterproof.

When site cutting is necessary, remove any burrs from the bar and clean up shavings, etc. that may occur from cutting.

3. Application

Install Firestone Water Block Seal behind top of flashing. Anchor the Termination Bar through the pre-punched holes with an acceptable fastener at a rate (max. 300 mm o.c.) to maintain a good, tight compression to the wall against Water Block Seal. Remove excess flashing material above the bar and install Lap Sealant into the channel. Consult Firestone specifications and details for specifics.

4. Coverage

In accordance with the length of the detail.

5. Characteristics

Technical		
■ Material		Corrosion-resistant aluminium
■ Length (m)		3.05
■ Width (mm)		27.4
■ Thickness (mm)		2.2
■ Holes (mm)		7.1 x 9.9 slotted holes @ 100 mm o.c.

6. Packaging / Storage / Shelf Life

Packaging: 50 pieces/carton (152.4 m).

Storage: Store in original unopened container protected from the weather.

Shelf Life: Unlimited, if properly stored.



Aluminium Drain Bar

1. Description

Firestone Drain Bar is specifically designed for termination of the RubberGard EPDM membrane at the edge of the roof as illustrated in Firestone Inverted, Ballasted and Fully Adhered Systems.

2. Preparation

Substrate must be sound, dry and appropriate for mechanical attachment. When modifying the bar, all cut surfaces must be rounded and filed to remove burrs and sharp edges.

3. Application

Anchor the bar through the pre-punched holes into the substrate with the fasteners provided. A 6 mm space should be provided between adjoining sections of Drain Bars. Cut the bar at inside and outside corners. Bars must be fastened at maximum 25 mm from each end of all sections.

4. Coverage

In accordance with the length of the detail.

5. Characteristics

Technical		
	■ Material	Extruded Aluminium
	■ Length (m)	3.05
	■ Height (mm)	Approximately 102
	■ Thickness (mm)	Varies 1.6 to 2.8
	■ Holes (mm)	20 holes - Ø 7.1 @ 152 mm o.c.
	■ Fasteners	38.1 mm stainless steel hex head with rubber washer

6. Packaging / Storage / Shelf Life

Packaging: 10 pieces/carton including fasteners and washers.

Storage: Store in original unopened container protected from the weather.

Shelf Life: Unlimited, if properly stored.



AcryliTop PC-100

1. Description

AcryliTop PC-100 is an aesthetic coating that can be applied over all RubberGard membranes whether new or existing.

2. Preparation

The RubberGard EPDM membrane surfaces must be clean, dry and free of foreign material and contaminants prior to the application of AcryliTop PC-100. After loose debris is removed from the roof, clean the roof using a suitable cleaning agent.

3. Application

AcryliTop PC-100 may be roller or spray applied.

A roller application requires the use of both Firestone AcryliTop PC-100 Base Coat and an AcryliTop PC-100 as a top coat. Refer to the Technical Information sheet for AcryliTop Base Coat for additional information. Apply AcryliTop PC-100 Base Coat (light grey) at a coverage rate of 20 m² per gallon. After the Base Coat has dried and if possible during the same day, apply AcryliTop PC-100 at a coverage rate of 20 m² per gallon. Allow the AcryliTop PC-100 to be dry to the touch before traffic is allowed on the surface. Dry time is approximately 24 hours depending on the ambient air conditions. Inspect the application to assure that complete coverage of the base coat is achieved. Apply additional AcryliTop PC-100 to areas where necessary to assure complete coverage of the base coat.

In a spray application, the AcryliTop PC-100 coating is applied in a one-coat application to achieve a coverage rate of approximately 10 m² per gallon. Contact Firestone Building Products Technical Services for additional information on spraying equipment.

4. Coverage

Thinning is not allowed. Coverage rate is 10 m² per gallon, one-coat application when spray applied. When roller applied, coverage rate is 20 m² per gallon for the base coat and another 20 m² per gallon for the top coat.

5. Characteristics

Technical		
	■ Base	Acrylic
	■ Colour	White, Grey and Tan
	■ Solvents	Water and Texanol
	■ Solids (%)	66 to 67 by weight
	■ Viscosity (cp)	95 ± K.U (ASTM D562)
	■ Specific gravity	1.42 ± 0.14
	■ Freeze point (°C)	0

6. Packaging / Storage / Shelf Life

Packaging: 5 gallon - pail (18.9 litre).

Storage: Store in original unopened containers at temperatures between 15°C and 25°C. Do not allow AcryliTop PC-100 Coating to freeze. An indication that the coating has frozen is a "cottage-cheese" consistency of the PC-100 Coating. If this occurs, do not use the coating.

Shelf Life: 9 months, when stored in above-mentioned conditions. Verify production date on each pail.

7. Precautions

Do not apply when inclement weather is expected or when ambient air temperatures will be below 7°C within a 24-hour period after application. Do not expose to temperatures above 38°C or below 0°C. It is recommended that periodic inspections of the roof system be conducted by the owner, with the subsequent re-application of AcryliTop PC-100 to areas that may need touch-ups. Refer to Material Safety Data Sheets. Recommended cleaner is water.



AcryliTop PC-100 Base Coat

1. Description

AcryliTop PC-100 Base Coat is a light grey acrylic coating. It is used as the first coat when the AcryliTop PC-100 is installed with a roller.

2. Preparation

The RubberGard EPDM membrane surfaces must be clean, dry and free of foreign material and contaminants prior to the application of AcryliTop PC-100. After loose debris is removed from the roof, clean the roof using a suitable cleaning agent.

3. Application

AcryliTop PC-100 Base Coat is typically roller applied. Apply AcryliTop PC-100 Base Coat (light grey) at a coverage rate of 20 m² per gallon. Allow the AcryliTop PC-100 to be dry to the touch before traffic is allowed on the surface. Dry time is approximately 24 hours depending on the ambient air conditions. Inspect the application to assure that complete coverage of the membrane is achieved. Apply additional AcryliTop PC-100 Base Coat to areas where necessary to assure complete coverage of the membrane.

4. Coverage

Thinning is not allowed. Coverage rate is 20 m² per gallon for the base coat.

5. Characteristics

Technical	■ Base	Acrylic
	■ Colour	Light grey
	■ Solvents	Water and Texanol
	■ Solids (%)	66 to 67 by weight
	■ Viscosity (cp)	95 ± K.U (ASTM D562)
	■ Specific gravity	1.42 ± 0.14
	■ Freeze point (°C)	0

6. Packaging / Storage / Shelf Life

Packaging: 5 gallon - pail (18.9 litre).

Storage: Store in original unopened containers at temperatures between 15°C and 25°C. Do not allow AcryliTop PC-100 Base Coat to freeze. An indication that the coating has frozen is a "cottage-cheese" consistency of the PC-100 Base Coat. If this occurs, do not use the coating.

Shelf Life: 9 months, when stored in above-mentioned conditions. Verify production date on each pail.

7. Precautions

Do not apply when inclement weather is expected or when ambient air temperatures will be below 7°C within a 24-hour period after application. Do not expose to temperatures above 38°C or below 0°C. Refer to Material Safety Data Sheets. Recommended cleaner is water.



