



3.1 CEMENTS & COATINGS PRODUCT GUIDE

BUILDING PRODUCTS

TAM-PRO® CEMENTS, COATINGS, PRIMERS, SBS ADHESIVES, & EMULSIONS

PRODUCT

DESCRIPTION

CEMENTS/SBS ADHESIVES

M3 Adhesive (Modified)	A special-viscosity SBS-modified low-solvent adhesive. Blended to a smooth sprayable consistency, containing roofing-grade asphalt, petroleum solvents, and tough nonasbestos fibers.
Q-5 Heavy-Bodied Flashing Cement	A heavy-bodied all-weather trowel-grade mastic that contains select asphalts, petroleum solvents, tough reinforcing fibers, and special additives that enhance spreadability. Dries to form a durable but pliable seal that allows for minor expansion and contraction. Acid and alkali resistant, it bonds to all clean surfaces except coal tar-based materials.
Q-10 Flashing Cement	A high-performance wet/dry formula flashing cement. Precision blended from select asphalts, petroleum solvents, and special fibers to a smooth, buttery consistency for ease of application. Contains no fillers. Dries to a durable but pliable seal. Acid and alkali resistant, it bonds to all clean surfaces except coal tar-based materials.
Q-15 Elastomeric Flashing Cement	A heavy-bodied rubberized mastic cement that is specially designed to remain pliable without running. Blended from durable roofing asphalts, select petroleum solvents, and tough interlocking fibers for vital thixotropic properties.
Q-20 Premium SBS Flashing Cement	A heavy-bodied SBS-polymer-modified trowel-grade asphaltic cement. Combining selected refined asphalt, prime solvents, wet-surface additives, SBS (styrene-butadiene-styrene) rubberized polymers, and extra-strength interlocking fibers, this material is precisely blended into a smooth thixotropic high-performance material.
Q-20 Premium SBS Flashing Cement Tube	A tough, specially formulated SBS-polymer-modified bitumen asphaltic flashing cement. Produced from select petroleum materials and polymer modifiers. Precisely blended into a smooth thixotropic high-performance product and packaged in a convenient 10.5-ounce tube.
801 Plastic Roof Cement	A versatile roofing mastic that contains a precise blend of select asphalts, petroleum solvents, tough reinforcing fibers, and special additives that enhance spreadability. Dries to form a durable but pliable seal that allows for minor expansion and contraction. Acid and alkali resistant, it bonds to all clean surfaces except coal tar-based materials.
803 Wet- or Dry-Surface Plastic Roof Cement	An all-weather roofing mastic containing special modifiers to enhance bonding to damp surfaces. This superior mixture of select asphalts, petroleum solvents, tough reinforcing fibers, and wetting agents dries to form a durable but pliable seal that allows for minor expansion and contraction.
808 Cold-Application Cement	A semimastic brushing-grade material consisting of pliable asphalt, quick-drying petroleum solvents, and tough fibers. Also known as blind-nailing or SIS cement. Specifically blended to set slowly, allowing the roofing membrane to expand, contract, and flatten naturally without buckles and wrinkles. Acid and alkali resistant.
856 Premium SBS Adhesive	A proprietary formulation consisting of select roofer's flux asphalt, prime quick-setting VOC-compliant petroleum solvents, reinforcing minifibers, and styrene-butadiene-styrene (SBS) rubberized polymers blended to a brush-/squeeze-grade consistency.
TWM-1 Mastic Tube	A high-quality trowel-grade rubberized bitumen mastic that dries to a durable but pliable seal that allows for minor expansion and contraction. This product is suitable for use in roof flashing applications and contains additives for use in wet and dry conditions.

PRIMER

813 Asphalt Primer	A quick-drying, low-viscosity, pure-asphalt-based material made with select penetrating oils and fast-setting petroleum solvents. Chemically inert to resist mild acids and alkali. Provides maximum bond to asphalt, concrete, masonry, and metal surfaces.
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ALUMINUMS

842 Fire-Rated (FR) Fibered Aluminum Roof Coating	A superior flame-retardant protective coating. Combining select asphalts, petroleum solvents, tough fibers, and top-grade aluminum pigments, this coating forms a highly reflective surface upon application.
830 Nonfibered Aluminum Roof Coating 834 855	A durable protective material consisting of high-quality asphalts and petroleum solvents, and top-grade aluminum pigments. Forms a highly reflective surface upon application. Available in the following aluminum formulations: #830-1.5 lb., #834-2 lb., #855-3-lb.
854 Fibered Aluminum Roof Coating 840 841	A superior protective coating made with high-quality asphalts, petroleum solvents, tough fibers, and top-grade aluminum pigments. Forms a highly reflective surface upon application. Available in the following aluminum formulations: #854-1.5 lb., #840-2 lb., #841-3-lb.

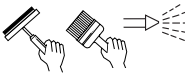
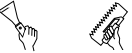


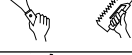

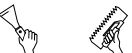


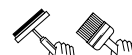

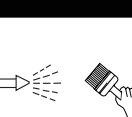



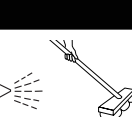
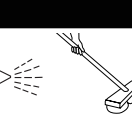
COATING

829 Fibered Roof Coating	A semimastic material carefully blended with select asphalt, mineral stabilizers, petroleum solvents, and special fibers. Acid and alkali resistant.
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EMULSION

845 Nonfibered Emulsion Coating	A nonfibered protective coating consisting of a precise blend of select clay, asphalt, and water. Dries to form a tough, protective surface that resists acid and alkali.
846 Fibered Emulsion Coating	A versatile protective coating consisting of a precise blend of select clay, asphalt, sized fibers, and water. Dries to form a tough, protective surface that resists acid and alkali.

TAM-PRO, TAM-STAR or TAM-GUARD cements, coatings, and primers are required for use in all systems that are to receive a TAMKO roofing system limited warranty.

USES	APPLICATION METHOD	APPROXIMATE COVERAGE	CERTIFICATION
Primarily used as the interply adhesive for modified bitumen roofing systems. Other uses include applying as an adhesive for granule or gravel surface coats.		Interply—Squeegee/brush: 1.5 to 2 gallons per 100 sq. ft. Interply—Spray: 1.5 to 2.5 gallons per 100 sq. ft. Surface Coat—Granule: 3 to 4 gallons per 100 sq. ft. Surface Coat—Gravel: 5 gallons per 100 sq. ft.	
Flashing construction and other detail roofing work such as tie-offs or shingle securement. Provides superior waterproofing properties for temporary repairs, or more permanent repairs when used with glass reinforcement.		1 gallon covers 12.5 sq. ft. when applied at 1/8" thickness	ASTM D 4586, Type I Dade County Approved
Flashing construction and other detail roofing work such as tie-offs or shingle securement. Provides superior waterproofing properties for temporary repairs, or more permanent repairs when used with glass reinforcement.		1 gallon covers 12.5 sq. ft. when applied at 1/8" thickness	ASTM D 4586, Type I ASTM D 3409
Vertical and horizontal asphalt roofing flashing systems and waterproofing detail work, such as parapets and drains.		1 gallon per 12.5 sq. ft. when applied at 1/8" thickness	ASTM D 4586, Type I ASTM D 3409 Dade County Approved
Adhering SBS-modified bitumen membrane flashings and laps. May also be used for fiberglass built-up roofing system flashing applications.		1 gallon per 12.5 sq. ft. when applied at 1/8" thickness	ASTM D 4586, Type I Dade County Approved
SBS-modified bitumen membrane and built-up roofing flashing applications. Helps prevent, seal or stop leaks around various flashing areas in follow-up maintenance and repair procedures.		1/4" bead, 25 linear feet per tube	ASTM D 4586, Type I
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An adhesive between plies of 19" seldedge, smooth- or mineral-surfaced roll roofing, and laps for cold-applied built-up roofing applications.		Cold method: 1 gallon covers 50 sq. ft. Lap cement: 1 gallon covers 396 linear ft.	ASTM D 3019, Type III Dade County Approved
To adhere SBS-modified bitumen membranes to the substrate, typically a coated fiberglass base sheet. The substrate to receive properties for temporary repairs, or more permanent repairs when used with glass reinforcement.		1.5 gallons per 100 sq. ft.	ASTM D 3019, Type III CGSB 37 GP-56M Dade County Approved
Multiple uses include sealing seams, overlaps, patches and terminations of the TAMKO membrane.		Side Laps — 900 linear ft. per gallon End Laps — 600 linear ft. per gallon	
A bonding agent between the surface and asphaltic cements and coatings used in roofing and waterproofing applications. Adheres to porous and nonporous surfaces to maximize bonding. Coatings applied to this primer may be hot or cold, solvent based or emulsion based. Not for use with coal tar-based materials.		BUR/Modified roofing — 3/4 gallon per 100 sq. ft. Concrete surfaces — 3/4 to 2 gallons per 100 sq. ft. Metal surfaces — 3/4 gallon per 300 sq. ft.	ASTM D 41 Dade County Approved
Coating asphalt built-up roofing, modified bitumen membranes, flashings, or other bitumen-based materials.		1.5 to 2 gallons per 100 sq. ft.	ASTM D 2824, Type III FM Appr. U.L. Class. Dade Cty. Appr.
Covering prepared roofing, metal buildings, tanks, bins, grain elevators, exterior masonry and mobile home roofs. It reduces inside summer temperatures by up to 15°F by reflecting the sun's rays. Provides an attractive surface that protects and prolongs surface life.		BUR/Modified roofing — 1 gallon per 150 sq. ft. Metal surfaces — 1 gallon per 200 sq. ft. Concrete/Masonry — 1 gallon per 150 sq. ft.	ASTM D 2824, Type I Dade County Approved
This high-performance material is ideal for coating asphalt built-up roofing, modified bitumen membranes, flashings, other bitumen-based materials, and metal surfaces.		BUR/Modified roofing — 1.5 to 2 gallons per 100 sq. ft. Metal surfaces — 1.25 gallons per 100 sq. ft. Concrete/Masonry — 1.5 to 2 gallons per 100 sq. ft.	ASTM D 2824 Type III, U.L. Class. Dade Cty. Appr.
On all types of low-sloped roof surfaces with the exception of coal tar-based materials. Also use on metal, concrete and masonry surfaces. Provides additional weathering protection for membrane surfaces. Increase life expectancy of existing roofs or new roofs after suitable weathering.		BUR/Modified roofing—2 to 3 gallons per 100 sq. ft. Metal surfaces — 1 to 1.5 gallons per 100 sq. ft. Concrete/Masonry — 3 to 4 gallons per 100 sq. ft.	ASTM D 4479 Dade County Approved
Additional weathering protection for asphalt roofing systems or properly prepared metal roofs. Also as a surface preparation for the application of aluminum roof coating as well as dampproofing of concrete and masonry surfaces and ICF (insulated concrete forms).		2 to 7 gallons per 100 sq. ft.	ASTM D 1227, Type III, Class I
		3 to 4 gallons per 100 sq. ft.	ASTM D 1227, Type II, Class I, U.L. Classified FM Approved Dade County Approved

For individual Product Data Sheets and MSDS information visit our web site at www.tamko.com and go to the document gallery.









3.1 CEMENTS & COATINGS PRODUCT GUIDE (cont.)







BUILDING PRODUCTS

TAM-STAR WHITE ELASTOMERIC COATINGS, PRIMER, PATCHING CEMENT, ETC.

PRODUCT DESCRIPTION

COATINGS

<p>TAM-STAR White Elastomeric Coating</p>	<p>A premium brilliant-white mixture of 100% acrylic copolymers and reflective pigments. The high concentration of titanium dioxide pigment and acrylic copolymers provide years of protection from harmful ultraviolet and infrared radiation. It beautifies and protects the roof's surface, reflecting up to 84% of the sun's rays. 100% ASBESTOS FREE.</p> <table border="0"> <tr> <td></td> <td style="text-align: center;"><u>Initial</u></td> <td style="text-align: center;"><u>Weathered</u></td> <td rowspan="2" style="text-align: center;"></td> </tr> <tr> <td>Solar Reflectance</td> <td style="text-align: center;">0.84</td> <td style="text-align: center;">Pending</td> </tr> <tr> <td>Thermal Emittance</td> <td style="text-align: center;">0.91</td> <td style="text-align: center;">Pending</td> <td rowspan="3" style="text-align: center;"></td> </tr> <tr> <td>Rated Product ID</td> <td colspan="2" style="text-align: center;">0714-0002</td> </tr> <tr> <td>Licensed Manufacturer ID</td> <td colspan="2" style="text-align: center;">0714</td> </tr> <tr> <td>Classification</td> <td colspan="2" style="text-align: center;">Production Line</td> <td></td> </tr> </table>		<u>Initial</u>	<u>Weathered</u>		Solar Reflectance	0.84	Pending	Thermal Emittance	0.91	Pending		Rated Product ID	0714-0002		Licensed Manufacturer ID	0714		Classification	Production Line		
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<p>TAM-GUARD White Elastomeric Coating</p>	<p>A bright-white blend of 100% acrylic copolymers and ultraviolet and infrared reflective pigments. The combination of titanium dioxide pigment and acrylic copolymers provides years of protection from harmful effects of sunlight, extending the life of most roofs. It beautifies and protects, reducing energy consumption by reflecting greater than 80% of the sun's rays. 100% ASBESTOS FREE.</p> <table border="0"> <tr> <td></td> <td style="text-align: center;"><u>Initial</u></td> <td style="text-align: center;"><u>Weathered</u></td> <td rowspan="2" style="text-align: center;"></td> </tr> <tr> <td>Solar Reflectance</td> <td style="text-align: center;">0.80</td> <td style="text-align: center;">Pending</td> </tr> <tr> <td>Thermal Emittance</td> <td style="text-align: center;">0.93</td> <td style="text-align: center;">Pending</td> <td rowspan="3" style="text-align: center;"></td> </tr> <tr> <td>Rated Product ID</td> <td colspan="2" style="text-align: center;">0714-0001</td> </tr> <tr> <td>Licensed Manufacturer ID</td> <td colspan="2" style="text-align: center;">0714</td> </tr> <tr> <td>Classification</td> <td colspan="2" style="text-align: center;">Production Line</td> <td></td> </tr> </table>		<u>Initial</u>	<u>Weathered</u>		Solar Reflectance	0.80	Pending	Thermal Emittance	0.93	Pending		Rated Product ID	0714-0001		Licensed Manufacturer ID	0714		Classification	Production Line		
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PRIMER

<p>TAM-STAR White Acrylic Primer</p>	<p>A thin, translucent coating prepared with 100% acrylic copolymers, adhesion promoters, and stain-blocking pigments. This premium blend of resins improves the adhesion of surface coatings and acts as a barrier to prevent staining from petroleum oils that migrate to the surface of modified bitumen membranes. Staining of light oils is possible over some asphalt surfaces. 100% ASBESTOS FREE.</p>
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PATCHING CEMENT

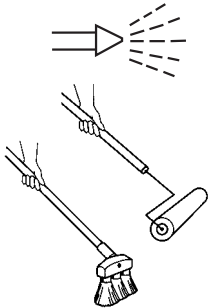
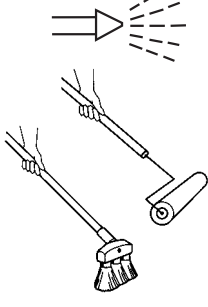
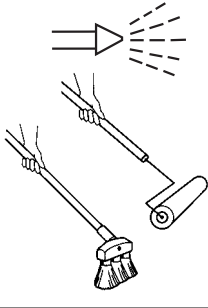
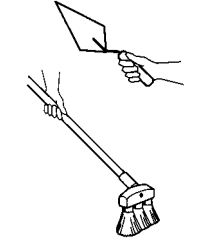
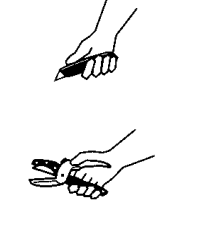
<p>TAM-STAR White Patching Cement</p>	<p>A heavy-bodied, multipurpose elastomeric roof cement designed for use as a flashing and seam repair compound prior to the application of white reflective roof coatings. This custom blend of acrylic copolymers, UV blockers, mineral stabilizers, and thixotropic agents is designed to withstand the stresses of thermal shock and physical movement. 100% ASBESTOS FREE.</p>
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FABRIC

<p>TAM-STAR White Mesh Roof Fabric</p>	<p>A uniformly distributed fiberglass mesh consisting of continuous fiberglass threads woven perpendicular to one another and coated with a polymeric binder. The large mesh openings improve saturation and penetration of the adhesive. Its high tensile strength and light weight help ensure long-term resistance against thermal and physical stresses. Roll size is 4 in. x 100 ft.</p>
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**3.1 CEMENTS & COATINGS
PRODUCT GUIDE**

TAM-PRO cements, coatings, and primers are required for use in all systems that are to receive a TAMKO roofing system limited warranty.

USES	APPLICATION METHOD	APPROXIMATE COVERAGE	CERTIFICATION								
<p>This premium-quality white elastomeric coating is ideal for coating over asphalt and metal roofing, including galvanized aged at least 6 months and prepainted metal roofing. Its highly elastic qualities help ensure years of performance, even under the most harsh conditions. It provides a weather-resistant shield over the surface, reflects harmful ultraviolet and infrared radiation, and withstands thermally induced stresses. Its highly-reflective surface reduces surface temperatures and cooling costs. Staining of light oils is possible over some asphalt surfaces.</p>		<p>Applied in 2 coats BUR/Modified Roofing 2 gallons per 100 sq. ft. Metal Surfaces 1.25 gallons per 100 sq. ft.</p> <p>AIR ATOMIZED SPRAY</p> <table border="1" data-bbox="901 489 1269 558"> <thead> <tr> <th>Method</th> <th>Fluid Tip</th> <th>Fluid Delivery</th> <th>Atomizing Pressure</th> </tr> </thead> <tbody> <tr> <td>Pressure</td> <td>.035"-.055"</td> <td>1-3 Gal. per Min.</td> <td>1500 PSI</td> </tr> </tbody> </table>	Method	Fluid Tip	Fluid Delivery	Atomizing Pressure	Pressure	.035"-.055"	1-3 Gal. per Min.	1500 PSI	<p>CRRC</p>
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<p>This quality white coating is ideal for coating over asphalt rolled roofing and metal roofing (including galvanized aged at least 6 months and prepainted metal) such as grain silos and ambient-temperature storage tanks. It can also be used over mobile homes, truck trailers, and school bus tops. It provides a weather-resistant shield over the surfaces and reflects harmful ultraviolet and infrared waves. It prolongs the life of the roofing system and its highly-reflective surface reduces surface temperatures and cooling costs. Staining of light oils is possible over some asphalt surfaces.</p>		<p>Applied in 2 coats BUR/Modified Roofing 2 gallons per 100 sq. ft. Metal Surfaces 1.25 gallons per 100 sq. ft.</p> <p>AIR ATOMIZED SPRAY</p> <table border="1" data-bbox="901 850 1269 919"> <thead> <tr> <th>Method</th> <th>Fluid Tip</th> <th>Fluid Delivery</th> <th>Atomizing Pressure</th> </tr> </thead> <tbody> <tr> <td>Pressure</td> <td>.035"-.055"</td> <td>1-3 Gal. per Min.</td> <td>1500 PSI</td> </tr> </tbody> </table>	Method	Fluid Tip	Fluid Delivery	Atomizing Pressure	Pressure	.035"-.055"	1-3 Gal. per Min.	1500 PSI	<p>CRRC</p>
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<p>This premium-quality translucent acrylic primer is ideal for coating both over APP and SBS-modified bitumen membranes and metal (including galvanized aged at least 6 months and painted metal). Its carefully prepared blend of acrylic copolymers and stain-blocking pigments helps to ensure successful adhesion over a variety of surfaces.</p>		<p>1 gallon per 12-15 sq. ft.</p> <p>AIR ATOMIZED SPRAY</p> <table border="1" data-bbox="901 1203 1269 1272"> <thead> <tr> <th>Method</th> <th>Fluid Tip</th> <th>Fluid Delivery</th> <th>Atomizing Pressure</th> </tr> </thead> <tbody> <tr> <td>Pressure</td> <td>.015"-.020"</td> <td>.024-.43 Gal. per Min.</td> <td>500 PSI</td> </tr> </tbody> </table>	Method	Fluid Tip	Fluid Delivery	Atomizing Pressure	Pressure	.015"-.020"	.024-.43 Gal. per Min.	500 PSI	
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Pressure	.015"-.020"	.024-.43 Gal. per Min.	500 PSI								
<p>This premium-quality white elastomeric cement, when used in conjunction with white resin-coated fiberglass reinforcing fabric, is ideal for sealing seams in metal roofs and for repairing flashings and sealing around vent pipes and skylights prior to the application of reflective surface coatings. Its carefully prepared blend of acrylic polymers and adhesion promoters ensures successful adhesion over a variety of surfaces.</p>		<p>Applied in 2 coats BUR/Modified Roofing 0.5 to 1 gallon per 100 sq. ft. Metal Surfaces 0.25 to 0.5 gallons per 100 sq. ft.</p>									
<p>This premium resin-coated fiberglass mesh fabric reinforces repairs to metal roofing seams and to repairs of flashings and around vent pipes and skylights. Its 20x10 weave pattern helps ensure superior wetting of the adhesive and adds increased tensile strength to demanding repairs. The fiberglass backbone provides durability and resistance to deterioration caused by mold, algae, and weathering.</p>			<p>ASTM D 1668, Type III</p>								

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