

Blaclastic

A Hot Applied Elastomeric Coal Tar Pitch Flood Coat Surfacing Adhesive

Composition: Blaclastic is a polymer modified coal tar roofing adhesive and waterproofing bitumen.

Basic Uses: Blaclastic is specified as a hot melt surfacing adhesive for use in both asphalt and tar low slope built up roof configurations. Blaclastic provides the same properties of coal tar, such as excellent moisture resistance, with the additional benefits of a polymer modified material, such as better low-temperature flexibility, resistance to fracture, and outstanding elongation and adhesive properties.

Refer to UL Roofing Materials and Systems Directory and/or FM Approvals RoofNav for applicable system configurations.

Limitations:

- Not intended for use in roof systems on slopes in excess of 1/2" per foot (4%).
- Not to be exposed to solvents, oils, or other contaminants harmful to tar.
- Not for use over expanded polystyrene (EPS) or EPS composite insulations installed in any configuration unless EPS is encapsulated within lightweight insulating cellular concrete.
- Not for direct use over isocyanate insulation. Isocyanate insulations must be overlaid with a coverboard.
- Not for use over phenolic insulations installed in any configuration.
- Do not install when ambient temperatures are below 50°F unless special cold weather application procedures are followed. Consult your local Tremco Representative for details.
- Special precautions must be taken at roof edges and penetrations to prevent bitumen drippage through roof decks or down walls, Consult your local Tremco Representative for details.
- Not intended for use on vertical surfaces or for use as a flashing adhesive.
- Aggregate surfacing is required over Blaclastic.

Packaging: Available in 70 lb. (31.7 kg.) cartons. Sold by pallet only. Do not double stack pallets.

Product Advantages	
Features	Benefits
"Cold flow" property	<ul style="list-style-type: none">• Provides "self healing" to surfacing under moderate roof temperatures
Excellent elongation and low temperature flexibility	<ul style="list-style-type: none">• Resists stress fractures to maintain watertight integrity of roof system
Excellent moisture resistance	<ul style="list-style-type: none">• Withstands water present in low slope roofing conditions
Unique physical properties	<ul style="list-style-type: none">• Excellent chemical resistance

General Application Data: Roof replacement usually involves more complexities than new construction roofing. Often encountered are situations such as rusted/deteriorated decks, rotted wood components, rooftop equipment which cannot be moved or shut down, and numerous other conditions.

The following application information is designed to serve as a general guide. Your local Tremco Representative will prepare detailed specifications based upon your roof's condition.

Structural Deck: Must be properly designed and structurally sound.

Drainage: Ponding conditions are undesirable and can affect performance of any roofing system. If positive drainage does not exist, water removal must be facilitated by lowering drains, and/or installing additional drains.

Insulation: Insulation must be dry and kept dry. No more insulation shall be installed that can be covered that day. Follow insulation manufacturer's instructions to obtain minimum thickness for spanning metal deck ribs.

Installation Procedures: According to job specifications, prepare surface to be covered:

- Replace areas of wet insulation, deteriorated deck, and wood components.
- Install roof insulation or base sheet as specified.

Plan placement of roofing ply sheets to ensure that water will flow over or along, but not against exposed edges. Use standard kettle equipped with circulating pump. Do not heat Blaclastic above its flash point.

SURFACING OPTIONS

Gravel: Apply Blaclastic over roof surface at 75 lb/100 ft² (3.6 kg/m²) ± 20%. Immediately broadcast 400 lb/100 ft² (19.5 kg/m²) of new, clean gravel or 300 lb/100 ft² (14.6 kg/m²) of slag into adhesive. Aggregate shall conform to ASTM D 1863, size 6 or 67. A light colored aggregate must be used.

Precautions: Use Blaclastic with adequate ventilation. Coal-tar pitch is recognized as a known human carcinogen by the following groups:

- World Health Organization's International Agency for Research on Cancer (IARC).
- U.S. Public Health Service's National Toxicology Program (NTP).
- American Conference of Governmental Industrial Hygienists (ACGIH)

Roofing & Weatherproofing Peace of Mind™

Maintain adequate ventilation in locations where coal tar pitch is being heated or where coal tar pitch dust may be generated. Avoid breathing vapors, since long term exposure to coal tar pitch volatiles at levels above the OSHA Permissible Exposure Limit (PEL) for coal tar pitch may present a lung, bladder, or kidney cancer hazard.

Exposure to coal tar pitch may irritate the eyes, skin, or lungs. Those working with coal tar pitch should wear face and eye protection to prevent contact with coal tar pitch. Wear a NIOSH/MSHA approved respirator when the levels of fumes, vapors, or dust exceed the permissible levels established by OSHA.

Coal tar pitch is a phototoxic substance which will cause an exaggerated sunburn in the presence of sunlight. Prior to working with coal tar pitch, apply to skin a sunscreen lotion with a high sunblock protection factor, then apply a solvent resistant barrier skin cream. Change clothing and gloves when contamination with coal tar pitch occurs.

Observe good hygiene and handling practices with coal tar pitch. Wash exposed areas promptly and thoroughly if coal tar pitch should contact skin or prior to eating, drinking, using tobacco products, or using rest rooms. Users must read and follow container labels and Material Safety Data Sheets for instructions for health and safety precautions prior to and during use.

Availability and Cost: Contact your local Tremco Roofing Representative for pricing and availability. For the name and number of your Representative, call the Roofing Division at 216/292-5000.

Maintenance: Your local Tremco Roofing Representative can provide you with effective maintenance procedures which may vary, depending upon specific conditions. Periodic inspections, early repairs and preventative maintenance are all part of a sound roof program.

Guarantee/Warranty: Tremco Inc. warrants Blaclastic to be free of defects and to meet published physical properties when tested according to ASTM and Tremco standards. Under this warranty, any Blaclastic product that is proved to be defective when applied in accordance with Tremco's written instructions, and in applications recommended by Tremco as suitable for this product will be replaced with like product at no charge. THIS IS BUYERS SOLE AND EXCLUSIVE REMEDY.

All claims concerning product defects must be made in writing within twelve (12) months of shipment. The absence of such claims in writing during this period will constitute a waiver of all claims with respect to such product. This warranty shall be IN LIEU OF any other warranty, express or implied, including but not limited to, any implied warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Technical Services: Your local Tremco Representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications. The services of the Tremco Research Center, which has earned a unique reputation in weather-proofing technology, complement and extend the services of the Tremco Technical Service Staff.

Statement of Policy and Responsibility: Tremco takes responsibility for furnishing quality materials and for providing specifications and recommendations for their proper installation.

As neither Tremco itself or its Representatives practice architecture or engineering, Tremco offers no opinion on, and expressly disclaims any responsibility for the soundness of any structure or any components below the building structure on which its products may be applied. If

Physical Performance Characteristics		
Blaclastic		
Property	Typical Value	Test Method
Softening Point	130°F (54°C) minimum	ASTM D36
Penetration @ 77°F (25°C)	10-25 dmm	ASTM D5
Elongation	1000%	ASTM D412
Specific Gravity	1.2-1.3	ASTM D70
Cold Temp Flexibility	35°F	ASTM D5147
Contact Compatibility		ASTM D1370
- Asphalt Ply Sheet	0.0mm	
- SEBS Modified Asphalt	0.0mm	
- ASTM D 312, Type III Asphalt	0.0mm	

questions arise as to the soundness of a structure, its ability to support a planned installation properly, or whether material below the structure will be disturbed, the Owner should obtain the opinion of competent structural engineers before proceeding. Tremco accepts no liability for any failure of the structure or material below the structure or for resultant damages, and no Tremco Representative is authorized to vary this disclaimer.



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