

#96 BULLDOG TSC THERMOPLASTIC SURFACING COMPOUND



DESCRIPTION

BULLDOG TSC Thermoplastic Surfacing Compound is a roof maintenance coating designed for use over both asphalt and coal tar roofs. This product is designed for use as a protective coating and waterproofing coating over a variety of roof surfaces. This coating is manufactured with a select blend of asphalt, refined coal tar pitch, aromatic solvents and thermoplastic polymers. Often used as a resurfacing product over existing asphalt coal tar roofs to extend the life of the in place roof while eliminating the need for roof removal.

FEATURES:

- ~ Highly resistant to chemical and ultraviolet attack.
- ~ Waterproofs and extends the life of roofing systems.
- ~ Ponding water resistance makes it ideal for no to low slope roofs.
- ~ Forms a strong, flexible, monolithic, seamless membrane
- ~ Non-Asbestos.
- ~ Cold applied and cures to a tough, durable protective barrier.
- ~ Superior waterproof adhesive qualities for bonding asphaltic ply sheets
- ~ Easy to apply without the need for expensive application equipment

USES

- ~ Provides a seamless Elastomeric surfacing for new or aged asphalt or coal tar roofs.
- ~ Can be used over modified bitumen
- ~ An excellent roof restoration coating
- ~ Reflective Coatings: BULLDOG/DUREX Energy Star® White Elastomeric or BULLDOG Aluminum Coatings may be applied after using BULLDOG Tarbloc™ prior to reflective coating application.
- ~ Resists ponding water
- ~ Adhesive for bonding ply sheets

SURFACE PREPARATION & REPAIRS

All surfaces must be clean, free of dirt, dust, debris, oils, loose gravel, un-adhered coatings, loose scaling rust, deteriorated membranes, and other contaminants that may result in a surface that is not sound. Surface must be free of frost, snow and ice. Fasteners must be repaired and/or replaced as needed.

METHOD AND RATE OF APPLICATION

Product should be mixed prior to use by hand and **NOT** by mechanical agitation. You do not want to create air bubbles. Do not thin. Best use of product is when applied at minimum temperatures of 50 °F. In cold weather store product at 70 °F for 24 hours prior to application. (Under proper conditions the coating will cure between 2 – 4 hours. High humidity will retard dry time. Allow base coat to thoroughly dry prior to application of successive coats.)

COVERAGE RATE: Smooth or granulated roof surfaces: 2-4 gallons per 100 square feet. Gravel surfaces: 8-10 gallons per 100 square feet.

APPLICATION TOOLS: Apply with straight blade squeegee on gravel surface roofs. Apply with 1/4" notched squeegee on smooth or granulated surfaced roofs.

SURFACING OPTIONS:

- ~ Gravel - embed gravel surfacing while material is still wet.
- ~ Granules - apply the first coat (3-4 gallons of TSC per 100 square feet). Allow to cure sufficiently to accept foot traffic. Then, apply second coat (2-3 additional gallons of TSC). Allow this coat of TSC to begin to skin (20-30 minutes), then broadcast granules into the TSC at a rate of 50—70 lbs/square. Once the system has sufficiently cured, sweep or vacuum all loose granules for re-use.
- ~ Reflective Coatings - BULLDOG TSC should be allowed to cure the equivalent of 30 summer days prior to the application of either #39AF BULLDOG Fibered Aluminum Coating or #36 BULLDOG Non Fibered Aluminum Coating. BULLDOG/DUREX #TC101 Energy Star® White Elastomeric Coating can be applied after the surface has cured for 30 days, cleaned and primed with BULLDOG Tarbloc™ Primer. Tarbloc Primer must be applied prior to application of reflective coating.

APPLICATION PRECAUTIONS:

- ~ DO NOT use with or on 100% rubber or plastic substrates.
- ~ DO NOT apply if rain is expected within 12 hours of application.
- ~ DO NOT use where this product may come in contact with potable water.
- ~ To reduce the potential for odors entering the building, cover fresh air intakes during application and curing.
- ~ DO NOT THIN.
- ~ EXTERIOR USE ONLY.
- ~ Not for residential use.

~COVER ALL AIR INTAKES PRIOR TO USE AND UNTIL COATING CURES

~ALL NECESSARY BUILDING MANAGERS AND OCCUPANTS SHOULD BE NOTIFIED OF ODOR CONTENT PRIOR TO AND DURING USE

CONTAINER SIZE	APPROXIMATE SHIPPING WEIGHTS
5 Gallons	42 Pounds
55 Gallon	470 Pounds

TYPICAL PROPERTIES

Property	Test Method	Result
Wt/gal, lbs.	D6511	7.6 - 7.8
Solids, % by wt.	D6511	62 - 64
Solids, % by vol.		56 - 58
Viscosity, cps	Brookfield	9,000 - 12,000
Tensile Strength, psi	D412	190 min.
Elongation, %	D412	2000 min.
Flash Point, °F	PMCC	105 min.
Color, uncured & cured	Visual	Black
Drying Time, Touch	70°F./50% R.H.	4 hours
Shelf Life	70°F./50% R.H.	1 year
VOC	EPA Method 24A	350 gm/liter max.

SPECIFICATION COMPLIANCES: ASTM D3019

SAFETY AND ENVIRONMENTAL PRECAUTIONS:
CONSULT MATERIAL DATA SAFETY SHEET FOR DETAILED HANDLING AND DISPOSAL

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The typical characteristics shown for this product are based upon the average of test results conducted on the finished product and on the raw material components used. They are subject to production variations and may be changed without notice. All other information contained on this sheet is to be used as a guide. For proper use and application please observe instructions and cautions on container.

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PALMER ASPHALT COMPANY
196 WEST 5TH ST
P.O. BOX 58
BAYONNE, NJ 07002
PHONE(201) 339-0855
FAX (201) 339-8320
www.palmerasphalt.com

