

FLINTBOND®

SBS Modified Bitumen Brush Grade Adhesive

Product Information



Description: FlintBond SBS Modified Bitumen Brush Grade Adhesive is a professional grade, polymer modified, cold applied adhesive specially formulated for use with modified bitumen membranes, base sheets and ply sheets. FlintBond SBS Modified Bitumen Brush Grade Adhesive is manufactured using select asphalt, rubber, solvent and fibers. It provides excellent elongation and recovery properties, plus enhanced adhesive properties, improved cold temperature pliability, and superior lap and bonding strengths. It is ideal for SBS and some APP modified membranes. FlintBond SBS Modified Bitumen Brush Grade Adhesive is also excellent for conventional built up roofing membranes. FlintBond SBS Modified Bitumen Brush Grade Adhesive eliminates burn hazards associated with hot kettles and propane torches, and is ideal where their use is prohibited. NOTE: This product is formulated to be used on asphalt modified roll roofing sheets as replacement for hot mop asphalt. Do not use on sheets which require torchdown or other techniques such as "Torching/Polyolefin Film," EPDM, PVC or other single ply membranes without approval of membrane manufacturer.

Product Advantages:

1. UL Listed
2. Excellent cure
3. Tough, flexible, adhesive and cohesive film
4. Excellent water and weather resistance
5. Outstanding general adhesive
6. Excellent lap cement
7. Good U.V. resistance
8. Easy to apply
9. Asbestos-free
10. Elastomeric, flexible, withstands stress

Typical Physical Properties

CHARACTERISTIC	RESULT
Weight per Gallon ASTM D1475	8.8 lbs.
Solids by Weight ASTM D1644	71%
Solids by Volume ASTM D2697	68%
Color	Black
% Asphalt Content ASTM 4125 Brush Grade	55%
Shear Strength ASTM D3983	26 lbs./sq. in.
Peel Strength ASTM D1876	13 lbs./lin. in.
Cure Time	24 to 48 hrs.
Performance Temp. Range	-40°F to 180°F
Application Temp. Range	50°F to 120°F
Elongation ASTM D412	200%

CHARACTERISTIC	RESULT
Recovery ASTM D412	95%
Consistency, Brookfield RVF Viscometer, #5 Spindle @ 20 RPM @ 77°F ASTM D2196	15,000 Centipoise
Wet Mil Thickness	16-32 mils
Dry Mil Thickness	11-22 mils

Meets or exceeds ASTM D3019, Type III U.L. Listed: File #R11656; Control #63P6 Miami-Dade Approved



Packaging

	FLINTBOND BRUSH GRADE
Packaging	5-gallon pails
Units Per	36 pails/pallet
Approx. Wt. Per Pallet	1,660 lbs.

Coverage

Apply FlintBond SBS Modified Bitumen Brush Grade Adhesive at the minimum rate of 1 gallon per 100 sq. ft. On porous or irregular surfaces, 2 gallons per 100 sq. ft. may be required.

Product Application

Preparation: All surfaces must have proper drainage and be clean, dry and free of surface rust and any other foreign matter. Excessive particulate surfacing materials on modified membranes must be removed (sweeping with a stiff broom is recommended) prior to adhesive application. On re-roofing applications, all deck and existing membrane repairs should be made first using FlintPatch™ Flashing Cement. Severely weathered BUR membranes may require a pre-application of FlintPrime™ Asphalt Primer. Metal surfaces must have all rust and scale removed. MIX THOROUGHLY TO ENSURE PRODUCT UNIFORMITY. DO NOT HEAT OR THIN. DO NOT APPLY IF RAIN IS EXPECTED WITHIN 24 HOURS.

Application: Protective clothing and eyewear should be used during application of this product. FlintBond Brush Grade applies easily with a roofing brush, notched squeegee or roller. Apply a continuous film with sufficient amounts to cover all laps so that a small continuous bead can be seen at the lap edges. Walk or roll in all laps and bonded areas. Apply all roofing materials and membranes in accordance with recommended procedures. Approximate coverage rate is 1 gallon per 100 sq. ft. per ply.

For Best Results: Cut the modified bitumen sheets to a maximum of 18' lengths and allow to relax on the job site before application. Apply on clear, sunny day when surface temperatures are between 50° and 120°F. After a minimum of 45 days cure time, apply a reflective coating. This will greatly extend the life of the roof.

Clean-Up: Clean tools with paint thinner or mineral spirits.

Storage

In colder weather product should be stored in heated room (65° to 80°F) at least 24 hours prior to application.

Precautions

When transporting this product, ensure that lid is tight and pail secure and upright. Do not allow pail to tumble as this may cause lid to loosen and leakage to occur. Do not transport on passenger seats or inside the passenger compartment of any vehicle. Store product in the cargo area of vehicle, and secure over protective cloths to prevent damage due to accidental spills. Do not store at temperatures above 110°F. CertainTeed also disclaims liability for flat surface application where poor drainage or moisture may prevail. For exterior use only. Do not reuse empty containers. Do not use in drinking water or food systems.

Technical Assistance

CertainTeed provides technical assistance in the selection, specification and application guidelines for all CertainTeed Commercial Roofing products and systems. Architectural and field representatives are available for consultation within each region. Refer also to the CertainTeed Commercial Roof Systems Specification Manual for additional information.

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