

TECHNICAL DATA**MODIFIED BITUMINOUS ADHESIVE****DESCRIPTION:**

- An SBS modified, medium-bodied asphalt adhesive designed especially for cold applied, BUR systems and for adhering SBS modified bitumen roofing membranes.
- Fortress® Modified Bituminous Adhesive is prepared using a superior blend of refined asphalts, select solvents, tackifying resins and SBS polymers, duplicating the characteristics of modified bitumen membranes

FEATURES:

- Resists bond failures associated with thermal cycling and movement.
- Can be applied by brush, squeegee or airless spray equipment.
- Cured adhesive will not run or sag at elevated roof top temperatures.
- Non-Asbestos
- ASTM D3019, Type III, UL Classified

USES:

- Adhesive for modified bitumen membranes and base sheets.
- Interply adhesive for cold-applied BUR Systems.
- As a flood coat for receiving aggregate.

APPLICATION:

- Ready to apply. Do not heat. Do not thin.

SURFACE PREPARATION:

- All work surfaces must be clean, dry, free of dirt, dust, debris, oils, loose and/or embedded gravel, un-adhered coatings, deteriorated membranes, and other contaminants that may result in a surface that is not sound.
- All necessary repairs must be completed before application to ensure the optimum performance of Fortress® Modified Bituminous Adhesive.
- Extremely dusty or dry surfaces should be primed with Fortress® # 5302 Asphalt Primer or Fortress® #5085 HydroPrime™ 200.

APPLICATION DIRECTIONS (BUR):

- Apply to the properly prepared surface at a rate of 1.5-2.5 gallons per square. Embed the first ply of Fortress® reinforcement (starter course), brushing the reinforcement into the adhesive. Assure that the reinforcement conforms to surface and no bridging or fish mouting occurs.
- Apply another coat of adhesive and embed the second course of reinforcement., overlapping the reinforcements in accordance with the appropriate spacing for the desired number of plies to be obtained.
- After the final ply, apply the adhesive at a rate of 3-4 gallons per square before surfacing with aggregate.

APPLICATION DIRECTIONS (SBS Membranes):

- Apply to the prepared surface at a rate of 3/4 to 1 1/4 gallon per square.
- Roll the membrane into the adhesive and firmly broom it into place.
- Assure that the membrane conforms to the surface and that no bridging or fish mouths are present.
- When lapping the membranes, ensure that a 1/8 to 1/4 inch bead of adhesive is present along the lap after firmly setting the membrane.
- Open time is approximately 30-45 minutes.

Note: Consult membrane manufacturer for additional application rates and guidelines.

APPLICATION PRECAUTIONS:

- **DO NOT** use with or on 100% rubber or plastic substrates.
- **DO NOT** use on or with products containing coal tar.
- **DO NOT** use on torch applied APP membranes with the "burn away" plastic release films.
- **DO NOT** apply to damp or wet surfaces.
- **DO NOT** use where this product may come in contact with potable water.
- **DO NOT THIN.**
- **EXTERIOR USE ONLY.**

CLEAN UP:

- Immediately rinse/flush equipment and tools with mineral spirits after use, exercising all flammable liquid precautions.
- Use waterless hand cleaner on skin.

TYPICAL PROPERTIES:

Property	Test Method	Result
Wt/gal, lbs.	D6511	7.4-7.6
Solids, % by wt.	D6511	70-72
% by vol.		65-68
Viscosity, grams	Stormer @ 200 rpm	120-150
pH		N/A
Flash Point, °F	PMCC	105 min.
Color, Cured	Visual	Black
Drying time, Touch	70 °F/50% R.H.	1 hour
Shelf Life	70°F/50% R.H.	1 year
VOC	EPA Method 24A	300 gm/liter max.

PACKAGING:

- 5-gallon pails (44 lbs.) and 55-gallon drums (502 lbs.)

SPECIFICATION COMPLIANCES:

- ASTM D3019, Type III, UL Classified

SAFETY AND ENVIRONMENTAL PRECAUTIONS:

- **CONSULT MATERIAL DATA SAFETY SHEET FOR DETAILED HANDLING AND DISPOSAL**