



PRODUCT NO.  
5104

## TECHNICAL DATA

### MODIFIED BITUMEN CEMENT

#### DESCRIPTION:

- An SBS polymer modified, heavy bodied adhesive designed especially for vertical installations of modified bitumen membranes.
- Prepared from select asphalts, aliphatic solvents, SBS rubbers, tackifiers, non-asbestos fillers and reinforcing fibers.
- Available in winter, and summer grade consistencies, to facilitate application during weather extremes.

#### FEATURES:

- Resistant to chemical and ultraviolet attack.
- Resists flow at high roof top temperatures.
- Climate formulated for year round applications.
- Meets current VOC requirements.
- Non-Asbestos.
- Cold applied with a trowel and cures to a tough, durable protective barrier.
- ASTM D4586, D3409

#### USES:

- Vertical details modified bitumen membranes.
- Tie-offs at the end of the day's work, to repair bare spots, blisters, ruptures and splits.
- Can be used to seal around skylights, vent pipes or other roof top projections.

#### APPLICATION:

- Ready to apply. Do not heat. Do not thin.
- In cold weather, store product at 70-80 ° F for 24 hours prior to application or use an OSHA approved pail/drum heater.

#### SURFACE PREPARATION:

- All surfaces must be clean, free of heavy 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.
- Aggregate must be spud away to provide a proper work surface.
- Fasteners must be repaired and/or replaced as needed.
- If a primer is required, use Fortress® #5302 Asphalt Primer.

#### APPLICATION DIRECTIONS:

- Trowel a layer of cement, approximately 1/8 to 1/4 inch thick onto the prepared surface. If making a repair, extend the cement four inches beyond the affected area.

- Embed the reinforcing fabric/membrane into the wet cement, using sufficient force to ensure adequate contact/wetting. Conform the fabric/membrane to the surface.
- Do not allow the fabric/membrane to bridge the surface or "fish mouth".
- On repairs, surface the repair area with another layer of cement, 1/8 to 1/4 inch thick.

#### 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** 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 an OSHA approved solvent after use, exercising all flammable liquid precautions.
- Use waterless hand cleaner on skin.

#### TYPICAL PROPERTIES:

Property	Test Method	Result
Wt/gal, lbs.	D6511	8.3-8.8
Solids, % by wt.	D6511	70-75
% by vol.		67-72
Viscosity, cps	Brookfield	1-1.5 MM
pH		N/A
Flash Point, °F	PMCC	105 min.
Color, uncured & cured	Visual	Black
Drying time, Touch	70 °F/50% R.H.	8 hours
Shelf Life	70°F/50% R.H.	1 year
VOC	EPA Method 24A	300 gm/liter max.

#### PACKAGING:

- 5-gallon pails (45 lbs.)

#### SPECIFICATION COMPLIANCES:

- ASTM D4586, D3409

#### SAFETY AND ENVIRONMENTAL PRECAUTIONS:

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