DESCRIPTION:

- Fortress® Cold Process Adhesive is a balanced blend of premium oxidized asphalt and penetrating oils, further augmented with quality non-asbestos reinforcing fillers.
- It's a double coverage cement, designed for adhering built up roofing systems and modified bitumen membranes.

FEATURES:

- Cold applied by brush, squeegee or airless spray equipment.
- Eliminates the use of kettles and open flames.
- Cures slowly so that the top ply can relax and flatten without breaking bond with the underlying substrate.
- Resistant to running and sagging at elevated roof top temperatures.
- Meets current Volatile Organic Compounds (VOC) regulations.
- Non-Asbestos
- Meets ASTM D3019, Type III, Metro Dade, UL Classified

USES:

- Substrate adhesive for built up roofing systems (asphalt).
- Interply adhesive for modified bitumen sheets.
- Flood coat for receiving gravel.

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.
- All surfaces must be free of frost, snow and ice.

APPLICATION DIRECTIONS (BUR):

- Apply at a rate of approximately 2-4 gallons per square, depending on the surface irregularities. Roll out and embed the first ply.
- Apply an additional layer or adhesive at an interply rate of 1-2 gallons per square, followed by another ply sheet.
- Repeat, until the desired number of plies is achieved.
- Top coat at a rate of 2 gallons per square if a glaze coat is desired; or use 4-6 gallons per square to apply gravel or mineral surfacing.

APPLICATION DIRECTIONS (Modified Bitumen):

- Apply to the prepared surface at a rate of approximately 1-2 gallons per square, depending on the surface irregularities.
- Roll out and embed the modified bitumen sheet.
- Broom into place, assuring that the membrane conforms to the surface and that no bridging or air pockets exist.
- Open time is 30-45 minutes; dry time is 6-8 hours to touch.

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 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:

<table>
<thead>
<tr>
<th>Property</th>
<th>Test Method</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wt/gal, lbs.</td>
<td>D6511</td>
<td>8.2-8.6</td>
</tr>
<tr>
<td>Solids, % by wt.</td>
<td>D6511</td>
<td>78-82</td>
</tr>
<tr>
<td>% by vol.</td>
<td>D6511</td>
<td>75-80</td>
</tr>
<tr>
<td>Viscosity, grams</td>
<td>Stormer @ 200 rpm</td>
<td>700-1100</td>
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<tr>
<td>pH</td>
<td></td>
<td>N/A</td>
</tr>
<tr>
<td>Flash Point, °F</td>
<td>PMCC</td>
<td>105 min.</td>
</tr>
<tr>
<td>Color, Cured</td>
<td>Visual</td>
<td>Black</td>
</tr>
<tr>
<td>Drying time, Touch</td>
<td>70 °F/50% R.H.</td>
<td>1 hour</td>
</tr>
<tr>
<td>Shelf Life</td>
<td>70°F/50% R.H.</td>
<td>1 year</td>
</tr>
<tr>
<td>VOC</td>
<td>EPA Method 24A</td>
<td>300 gm/liter max.</td>
</tr>
</tbody>
</table>

PACKAGING:

- 5-gallon pails (44 lbs.) and 55-gallon drums (497 lbs.)

SPECIFICATION COMPLIANCES:

- Meets ASTM D3019, Type III, Metro Dade, UL Classified

SAFETY AND ENVIRONMENTAL PRECAUTIONS:

- CONSULT MATERIAL DATA SAFETY SHEET FOR DETAILED HANDLING AND DISPOSAL