

COLD FLEX 2000 SA MEMBRANE FOR WATERPROOFING JOINTS AND CRACKS APPLICATION GUIDE SPECIFICATION

The **Coldflex 2000 SA** membrane is to be placed on joints and cracks of pavement as follows:

- 1) Placement of membrane will be done only when the temperature is above 40°F and rising. The pavement surfaces should be dry and free of any debris.
- 2) Surface shall be primed according to manufacturer's recommendations prior to placement of the membranes. The liquid adhesive shall be placed on the surface, at a minimum rate of 400 ft² per gallon (250 ft² per gallon on milled surface), 1" wider than the membrane and shall be allowed to dry until tack free before applying the membrane.
- 3) The membrane shall be placed in such a manner as to leave no voids between the membrane and the pavement at faulted joints.
- 4) The membrane shall be installed in widths of 12" minimum and shall be centered over the joint or crack with 2" tolerance. Transverse joints and cracks shall be sealed first starting at the outside edge of the pavement and extending the full length of the joint.
- 5) The outside edge of the joint shall be sealed after the transverse joint. All laps shall be made in such a manner that the paver does not encounter the exposed edge of the lap first.
- 6) Transverse membranes shall be extended 4" to 6" beyond each pavement edge. Cracks which connect with transverse joints shall be sealed first with a minimum of 2½" lap at the intersection with the joints. Laps will be permitted in both transverse and longitudinal membranes with a minimum overlap of 3".
- 7) The membrane shall be installed straight and wrinkle free with no curled or uplifted edges. Any wrinkles over 3/8" in width shall be slit and folded down.
- 8) Apply membrane from low to high pitch to provide maximum drainage efficiency.
- 9) Pressure roll membrane to improve adhesion.
- 10) Membrane shall not be left exposed to ultra-violet rays for over 20 days without a protective cover or coating.
- 11) If necessary, traffic may be allowed to use a section after placement of a membrane and prior to placing the paving. In the event the Inspector determines the membrane is being damaged, the section may be closed until the overlay is placed. Paving temperature specified by DOT or agency should be used. If not agency specification exists, paving temperatures at compaction of 290°F to 300°F is recommended. (See Limitations)
- 12) Hot mix overlay can follow placement of membrane within 30 minutes. A 3" overlay is recommended but a 2" minimum overlay is required, with multiple lifts. Two lifts are desirable for eliminating "humps" which can occur with this thick membrane. Asphalt tack coat is required prior to overlay.
- 13) The use of vibratory rollers over **Polyguard** membrane is not recommended.

Limitations: If a Superpave overlay with paving temperatures over 300°F is specified, contact **Polyguard** for technical advice. At temperatures over 300°F, polypropylene backing is subject to high shrinkage.