

WB 194™

Expandable Urethane



DESCRIPTION

WB 194 is a single component, moisture curing polyurethane adhesive. It will bond all materials commonly employed in the construction of infrastructure such as bridges, piers, foundations, etc., including steel, masonry, aluminum, wood, etc. WB 194 expands to fill voids and rapidly cures to reach its full strength.

OUTSTANDING FEATURES

- Saves labor time; requires no mixing, metering or preactivation
- Remains flexible and allows low temperature movement
- Non-sticky rheology allows better flow properties
- Moisture-cures without catalyst addition
- Allows normal substrate movement to continue without disruption of bond
- Will not become brittle

APPLICATION

For pressure injection: All cracks to be treated should be clean and dry. Drill ½" diameter holes 3" deep into all visible cracks at intervals of one per 18" of running crack. Coat 6" lengths of ½" diameter plastic pipe with WB 194 and insert 3"

deep into the holes as entry ports. After all entry ports have set, apply WB 194 over the cracks and while still wet, encapsulate a layer of 4" wide WB Polyester Mesh Fabric over the crack with a 2nd coat of WB 194. Only one side of the structure should be prepared, with the opposite face or side left untouched. As soon as the WB 194 has thoroughly cured (8-12 hours after the last application), injection may commence. A Graco 45:1 King or similar equipment with ½" diameter hose and insertion nozzle should be used. Insert bungs into all entry ports except the one that is to be connected to the flow. Begin at the lowest entry port and progress systematically upwards, replacing the bungs after each application is complete. Inject WB 194 into each entry port at

100 psi; flow rate will be determined by the extent of the interior cracks. Observation of the opposite face will determine when all interior cracks are filled as WB 194 should begin to appear on the surface. WB 194 will swell upon curing. All equipment should be cleaned with xylene before cure takes place.

When sealing horizontal cracks, WB 194 (low viscosity, Type 'B) is applied into the crack using an applicator bottle with the necessary width of nozzle. Cracks less than 50 mils wide and 250 mils deep. Any dust generated in this process should be vacuumed or blown away. Voids in poured screeds may also be treated in a similar manner.

SPECIFICATIONS	
Adhesive Type	Moisture curing polyurethane
VOC	Negligible
Pot Life	Single component
Shelf Life	12 months from date of manufacture
Recommended Thickness	3 mils wet up to 6 mils dry
Coverage	50 square feet per pound
Packaging	10 pound and 50 pound units
Color	Tan

PRODUCT DATA

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LIMITATIONS

Avoid humid atmospheres and keep lids tightly closed. Shelf life is limited to 12 months. Clean tools and equipment in xylene or high aromatic naphthas.

PRECAUTIONS

It is recommended that standard safety equipment, such as masks, goggles and chemical splash

goggles be worn while handling this product. Use only in well ventilated areas. Avoid inhalation. In case of contact with skin or eyes flush with water for 15 minutes. For contact with eyes, seek immediate medical attention in addition to flushing. Obtain medical attention if swallowed or if symptoms develop from contact or inhalation.

Keep out of reach of children and pets.

For additional information, contact the Andek Technical Department.

TECHNICAL DATA	
Shear Strength	600 lbs psi
Solids Content	100% (B.W.); 110% (B.V.)
Peel Strength	35 lbs psi
Flammability	Non-flammable
Weight per gallon	10.2 pounds
Cure Time	10 hours @ 70°F (70% R.H.)

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Effective Date: 10/2012

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