

# ANDEK 950™

## Expandable Urethane Adhesive



**DESCRIPTION**

ANDEK 950 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. ANDEK 950 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 ⅜" diameter plastic ports with ANDEK 950 and insert into the holes, the ANDEK 950 will glue the ports into place. After all entry ports have set, apply ANDEK 950

over the cracks and while still wet, encapsulate a layer of 4" wide PO-LAFAB over the crack with a 2nd coat of ANDEK 950. Only one side of the structure should be prepared, with the opposite face or side left untouched. As soon as the ANDEK 950 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 ANDEK 950 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 ANDEK 950 should begin to

surface. Andek 950 will swell upon curing. All equipment should be cleaned with xylene before cure takes place.

When sealing horizontal cracks, ANDEK 950 (low viscosity, Type 'B') is applied into the crack using a bulk gun with the necessary width of nozzle following the same procedure with injection ports and POLAFAB. Voids in poured screeds may also be treated in a similar manner.

**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.

**GENERAL CRACK REPAIR**

Small width, roving cracks may be chased with a grinder close to their course with the grinder depth set to a minimum of ½". The treated

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SPECIFICATIONS	
Adhesive Type	Moisture curing polyurethane
VOC	May contain a trace amount
Pot Life	Not applicable (single component)
Shelf Life	1 year (unopened) from date of manufacture
Recommended Thickness	3 mils wet up to 6 mils dry
Coverage	Approx 400 square feet per gallon, depending upon substrate
Packaging	Available in 1 gallon and 5 gallon pails
Color	Tan

PRODUCT DATA

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area should be cleaned thoroughly. ANDEK 950 is applied using a bulk gun with a 3/8" nozzle and encouraged to flow into the chased crack with a squeegee which is also used to remove excess pools.

Large, deep cracks may be sealed with open-cell backer rod soaked in ANDEK 950. Soak the backer in a bucket of ANDEK 950 until saturated, then poke it into the crack with gloved hands and

appropriate poking tool. After the ANDEK 950 has set, the sealed crack may be bridged with POLA-FAB laid into a wet coat of ANDEK 950 to reinforce and strengthen the repair.

### PRECAUTIONS

Read the container label warning and Material Safety Data Sheet (MSDS) for important health and safety information prior to the use of this product.

**Keep out of reach of children and pets.**

For additional information, contact our Technical Department.

TECHNICAL DATA		
Shear Strength	600 lbs psi	ASTM E-564
Solids Content	100% (B.W.); 110% (B.V.)	ASTM D-1044
Peel Strength	35 lbs psi	ASTM C-794
Flammability	Non-flammable	FTMS 141A (M4293)
Weight per gallon	10.2 pounds	ASTM D-1475
Cure Time	10 hours @ 70°F (70% R.H.)	
Hardness	50 degree shore 'D'	ASTM C-661

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