

322

SEAL-N-PEEL SURFACE SEAL

GENERAL DESCRIPTION

322 Seal-n-Peel is a 2-component, solvent free, polyurea paste adhesive. It is used as a fast-curing removable surface sealer in concrete crack repair for both injection epoxy and injection polyurethane foam.

Use 322 Surface Seal-n-Peel to temporarily seal cracks and to secure injection ports over concrete cracks prior to crack injection repair. Applications include repair of poured concrete walls; slabs; swimming pools; parking garages; pre-cast concrete elements; containment and sea walls; and columns.

ADVANTAGES

Following initial cure of the epoxy or polyurethane injection, 322 Surface Seal-n-Peel may be removed by pulling on starter tabs (such as duct tape) placed on the surface immediately beyond the beginning of the crack at the time of application or by prying under the leading edge of the seal with a trowel or similar tool. Alternate surface seals (301, 302, 901) are available for applications requiring a non-peeling seal.

COVERAGE

One gallon yields 231 cu inch of paste adhesive.

PACKAGING

1:1 300/300cc (22 oz.) dual cartridges.

SURFACE PREPARATION

Surface must be clean and sound. Remove dust, grease, curing compounds, waxes, foreign particles, and disintegrated materials.

PREPARATION WORK

Bond strength is determined by the method and depth of substrate preparation. Wire brushing the surface is usually sufficient for low-pressure applications (typically less than 40psi, but under 100psi). Higher-pressure injections require surface roughening by grinding or light sandblasting. Ease of removal decreases as depth of substrate preparation increases.

APPLICATION

Apply a band approximately 1/8" thick over the cracks to be injected and 1/4" around injection ports. Immediately embed a starter tab (cloth, duct tape) just beyond the crack. . Alternatively, omit starter tab in favor of prying loose the leading edge of Seal-n-Peel and peeling from the substrate.

TECHNICAL DATA

SHELF LIFE: 1 year in original, unopened containers

STORAGE CONDITIONS: Store dry at 45-95°F condition material to 65-85°F before using.

COLOR: Concrete grey or White

MIXING RATIO: Component 'A' to component 'B' = 1:1 volume

CONSISTENCY: Smooth-paste adhesive

HARDNESS (Shore): 80-D

POT LIFE: 6-10 minutes, depending on thickness

TACK-FREE TIME: 40°F 1 – 1 ½ HR 73°F 25-30 MIN 90°F 20-25 MIN

COMPRESSIVE PROPERTIES (ASTM D-695):

COMPRESSIVE STRENGTH PSI	<u>40°F</u>	<u>73°F</u>
1 hour	30	5,600
2 hours	1,800	6,700
4 hours	3,500	7,800
6 hours	6,300	8,200
16 hours	6,900	8,500
1 day	7,400	8,600
3 days	7,900	9,000
7 days	8,300	9,200

PHYSICAL PROPERTIES

Tensile Properties (ASTM D-638):

Flexural Properties (ASTM D-790)

Shear Properties (ASTM D-732)

Bond Strength (ASTM C-882)

Deflection Temperature (ASTM D-648)

Water Absorption (ASTM D-570)

STRENGTH

1 day

1 day flexural

1 day shear

2 day (dry cure)

1 day deflection temperature 115°F

7 day total

PSI

3,300

5,000

2,500

3,000

(2 Hour boil)

ELONGATION

at break 0.2%

(Modulus of Rupture)

0.8%

WARRANTY

Recommendations concerning the performance or use of this product are based upon independent test reports believed to be reliable. If the product is proven to be defective, at the option of the Manufacturer, it will be either replaced or the purchase price refunded. The Manufacturer will not be liable in excess of the purchase price. The user will be responsible for deciding if the product is suitable for his application and will assume all risk associated with the use of the product. This warranty is in lieu of any other warranty expressed or implied, including but not limited to an implied warranty of merchantability or an implied warranty of fitness for a particular use.

RECOMMENDED PROCEDURE FOR SURFACE SEALING CONCRETE CRACKS WITH 322 SEAL-N-PEEL SURFACE SEAL

Seal-n-Peel is designed for use as a surface port adhesive and temporary, removable surface sealer for low-pressure epoxy and urethane foam concrete crack injection repairs. It is recommended for applications requiring surface seal removal when appearance is important. Using Seal-n-Peel eliminates time-consuming grinding, burning, chipping and clean up when compared to other surface seals not formulated for ease of removal.

The surface must be clean and sound. Remove dust, grease, curing compounds, waxes, foreign particles, and disintegrated materials. Bond strength is determined by the method and depth of substrate preparation. Low-pressure applications require only wire brushing. Higher-pressure injections require surface roughening by grinding or light sandblasting. Ease of removal decreases as depth of substrate preparation increases.

Seal-n-Peel will exhibit a working life of 2-4 minutes at 72°F. It is best to mix parts A and B thoroughly for 30-60 seconds and immediately begin to apply to the surface. Under these circumstances, the surface should be ready for injection 30-45 minutes after Seal-n-Peel was originally mixed.

Do not mix more than is anticipated to be processed in 2-4 minutes.

First, apply a bead of adhesive around the base of surface or corner ports before placing ports over the crack. Take care not to cover/smear adhesive over the hole at the port base during placing. Ports should be spaced apart from each other the same distance as the thickness of the concrete under repair. On vertical cracks, start nearest to the floor.

Next, apply a band approximately 1/8" thick over the cracks to be injected and 1/4" around injection ports. Immediately embed a starter tab (cloth, duct tape). Alternatively, omit starter tab in favor of prying loose the leading edge of Seal-n-Peel and peeling from the substrate. Seal is sufficiently cured for injection when it resists indentation by fingernail pressure (not lack of surface tackiness).

Allow for adequate cure of injection epoxy resin or foam before removing the seal (typically overnight for epoxy and 1 hour plus for foam).