

CLADSEAL™

a product of

CLADLINER™
THE NEXT GENERATION HYBRID EPOXY



CLADSEAL: effective for sealing the grade adjustment ring area and joint sections in a manhole or catch basin from the inside of the structure.

CLADSEAL: an industry first, advanced urethane-acrylate 100% solids, epoxy hybrid. Once cured, the material is categorized as a hybrid flexible elastomer. Exhibiting high tensile elongation. The properties of traditional urethanes without the isocyanates and with the industry's best shelf life.

CLADSEAL features:

- Zero-isocyanate
- No crystallizing
- Extended shelf life
- Acid resistant
- Medium-to-high build
- Flexible
- Formulated resilience
- Surface tolerant
- High gloss finish
- Easy to apply via hand tools
- Pre-proportioned units

CLADSEAL: is used to restore manholes with an effective seal at the manhole chimney ring joint, and other joint areas in order to seal I&I. An essential part of the part of the **CLADLINER** Hybrid Epoxy Lining System. For more information, visit cladliner.com.

Elongation: ASTM D-412	800%
Hardness: ASTM D-2240	75, Shore A
Tensile strength: ASTM D-412	1,160 psi
Tear Resistance: ASTM D624-86	145lbs/in
Service Temperature:	-30F - 170F
Initial Cure: (77F)	5 hours
Final Cure: (77F)	48 hours



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Packaging: 2.5 total gallon kit. Packaged with 5 units / kit. Each unit consists of: 0.5 Gallon tub, with activator. Tub can act as mixing vessel.

Coverage: (per 0.5 gal. unit)

At recommended thickness of 1/4" (250 mils), material will yield 3.2 sq.ft. per unit. Each unit is packaged and designed to be the right amount of material for a single, standard manhole chimney ring at 1/4" (250 mils) application thickness for a six-inch (6") wide band. For wider bands, more than one unit may be required.

Surface Preparation:

The success of any coating application is directly proportional to the completeness of the substrate preparation and the care the application crew puts into the application. Surface must be clean and sound. Remove all dust, contaminants, grease, curing compounds, rust, impregnation, waxes, foreign particles, and disintegrated materials from the surface, in order to achieve a clean and profiled surface.

Concrete: Prepare the concrete by abrasive blasting, high pressure water cleaning, and/or approved mechanical method to achieve clean, sound, and profiled concrete. Prepare concrete in accordance with SSPC-SP 13/NACE No. 6, "Surface Preparation of Concrete;" with an ICRI CSP profile of 3-5.

Steel: Before preparing steel, please inspect and remove oil, grease, or other contaminants - "Solvent Cleaning" (SSPC-SP1) may be required. Remove all sharp peaks, including weld spatter. Abrasive blasting (or other approved mechanical methods) must be used in order to achieve a clean surface with a minimum profile of 3 mils.

Application:

1. Apply CLADSEAL primer (mono-component) to prepared substrate. Allow primer to dry to a tacky state (at least 25 minutes @ 77F), with no visible signs of pooling (curing time depends on temperature).

2. Add Part B (Hardener) into part A container. Mix thoroughly (Using electric drill) until consistency in color and texture is reached. (3-4 minutes).

3. Hand trowel application using plastic trowel or spatula onto primed surface at 1/4" application thickness, recommended thickness.

Limitations:

Temperature: 65°F (18°C) min. (air/surface), 65°F (18°C) min. (material). 110°F (35°C) maximum (air, surface, material)

Shelf Life: 12 months (if sealed).

KEEP CONTAINER CLOSED WHEN NOT IN USE.
KEEP OUT OF REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR INDUSTRIAL USE ONLY BY A QUALIFIED TECHNICIAN.

Consult the Material Safety Data Sheet for further health and safety information.

Store in a dry area away from direct sunlight. The product should be conditioned to between 70° F and 95° F before use

CLADLINER warrants our products to be free of manufacturing defects in accord with applicable quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING SALEABLE OR SUITABLE FOR A PARTICULAR PURPOSE.