

DURAMER™ 1030 SERIES SEWER COMPONENT PROTECTIVE COATING SYSTEM



DESCRIPTION

Sewerkote Duramer 1030 Series protective coating system is a two-component, corrosion-resistant 100% polyurea coating system that bridges gaps in concrete up to 1/4" wide/deep for use in new or rehab concrete manholes, wet wells, lift stations, pipe, wastewater treatment structures, and aerial sewer pipes.

ADVANTAGES

- Polyurea - Excellent hydrolysis and moisture resistance
- Thick - film thicknesses of any depth desired
- Elastomeric - shifting environment underground, resists impact, other fracturing agents
- Pot life - 15- 30 minutes, longer for the primer - gives excellent penetration and bonding
- Multi-Coat System - prevents pinholes from lining up
- 40 mil one-pass intermediate coat depth - easily bridges cracks and bug-holes up to 3/8" across, fills in larger, shallow bug-holes
- Each coat colored differently - allows visual inspection to ensure each coating has completely covered underlying coat

PERFORMANCE DATA*

Compressive Strength ASTM D695 1,050 psi

Tensile Strength ASTM D6387,800 psi

Ultimate Elongation ASTM D638 320%

Hardness, Shore D ASTM D2240 75

Tabor Abrasion ASTM D4060 <10 mg loss

Adhesion ASTM D4541: substrate failure

* for pure polymer

SURFACE PREPARATION

Surface must be sound, clean, dry and free of chalkiness. Some loose particulates may be tolerated. After physical removal of poorly-cohesive substrate, if the project engineer passes the structure, acid etch smooth surfaces, rinse well and power wash all surfaces to be coated. A release agent such as a pipe joint lubricant can be used to prep surfaces that should not be coated. BE CAREFUL NOT to get any of this on surfaces to be coated.

MIXING

IMPORTANT: mix only as much as can be applied within 15 minutes. Proper and thorough mixing is important. Using a drill mixer, mix appropriate A and B side quantities. Typically, about 1 minute is necessary to mix approximately ½ - 1 gallon. Avoid overly-fast mixing, as this will incorporate air bubbles, possibly leading to pinholing. For best pot life, cool intermediate coat to between 50 and 70 °F. Caution: Do not use if container is "sweating".

APPLICATION

Apply using brush, roller or airless sprayer (primer and topcoat - not recommended for intermediate coat), or plural-component sprayer (for intermediate and/or topcoat). Do not apply if surface temperature is less than 40°F, or if it is less than 5 °F below the dew point. Film

thickness will vary, but 1-2 mils is typical for the primer, 30 - 60 for the intermediate coat, and 5 - 15 for the topcoat. Do not apply the top coat thicker than 15 mils, as it may split during curing due to shrinkage.

COVERAGE (sq ft/gal)

Primer: 75 - 100, intermediate coat: 15 - 40 and topcoat: 75-150

PACKAGING

All A side components come in 5 gallon pails. Primer is in a metal, tight-head pail, and intermediate and topcoats are in plastic, open-head pails. Hardener comes in plastic quart carafes.

SHELF LIFE

Sewerkote Duramer components are guaranteed for 1 year in original sealed containers. Typical shelf life is greater than this.

PRECAUTIONS

See MSDS for specific instructions. Use protective eye wear, cover exposed skin, and use breathing protection if TLVs may be exceeded.

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