

COROGARD 66LSE EP Low Surface Energy 100% Solids Epoxy Topcoat

PRODUCT DESCRIPTION

COROGARD 66LSE EP is a two-component, 100% solids epoxy topcoat/finish coat incorporating PTFE fillers. It provides a low surface energy finish with a degree of non-stick properties to reduce deposit build-up or caking of solids on its surface.

COATING LAYERS COMPOSITION

COROGARD 66LSE EP is applied at 6-8 mils (150-200 µm) WFT per coat as a topcoat or finish coat over compatible epoxy lining and coating systems from RCC Corrosion Control including **COROGARD 66 EP**, **COROFLAKE 611 EP** and **COROFLAKE 620HB EP**.

FIELDS OF APPLICATION

COROGARD 66LSE EP is ideal for use in immersion lining service where the reduction of process build-up or slurry deposits is desired. The PTFE fillers contribute to the reduction of friction and drag on the surface resulting in ease of cleaning with reduced time and cost. **COROGARD 66LSE EP** resists a wide range of alkalis, salts and many mild inorganic and organic acids. Typical applications include lining in slurry tanks, hoppers and silos.

FEATURES

- Low surface energy finish
- Reduces process deposit build-up on the surface
- Easily cleaned to reduce maintenance cost
- Excellent chemical resistance to alkalis, many acids and other corrosive chemicals
- Solvent free, low odor

CHEMICAL RESISTANCE

Information on the chemical resistance properties is available upon request.

SURFACE PRE-TREATMENT

Prior to the application of the **COROGARD 66LSE EP** the base lining or coating system shall have been completed and quality control tested. The surface to receive **COROGARD 66LSE EP** must be dry, clean and have not set longer than the recommended recoat interval for the last applied layer of the base lining/coating. The surface can be tested for sensitivity to confirm it is suitable for recoating. Rub a small area of the base lining/coating surface with a clean rag or finger dampened with toluene. If the surface becomes tacky it is deemed sensitive and suitable for recoating.

If the surface does not become tacky it must be uniformly prepared for recoating by mechanical abrading or abrasive blasting prior to application of **COROGARD 66LSE EP**.

APPLICATION

- Refer to the individual product data sheets for the application of the primer and base lining or coating system being used.
- **COROGARD 66LSE EP** is applied by airless or conventional spray, by brush or roller.
- Application of **COROGARD 66LSE EP** at 6-8 mils (150-200 µm) WFT achieves the same in DFT.
- Application by roller or brush may require additional coats to achieve the total recommended thickness.

Note: During application the surface should be shaded from direct or indirect sunlight whenever possible. In atmospheric exposure **COROGARD 66LSE EP** has a tendency to chalking with time. Attention should be paid especially in case of light colored coatings.

MIX RATIO

The mix ratio of **COROGARD 66LSE EP Resin** to **Hardener No. 11** is 2:1 by volume.

CONSUMPTION

| Layer | Thickness mils (µm) WFT | Coverage |
|--------------------------|----------------------------|------------------------------|
| COROGARD 66LSE EP | 6-8 (150-200) | 160-220 ft ² /gal |

WORKING TIME & RECOAT TIME

| Temperature | Working Time | Min Recoat | Max Recoat |
|-------------|--------------|------------|------------|
| 50°F (10°C) | 60 min | 16 hrs | 24 hrs* |
| 70°F (21°C) | 40 min | 8 hrs | 24 hrs* |
| 90°F (32°C) | 20 min | 4 hrs | 24 hrs* |

* Max interval when applying **COROGARD 66LSE EP** over itself

CURE TIME (to place in service)

| Temperature | Minimum Cure time |
|-------------|-------------------|
| 50°F (10°C) | 5 days |
| 70°F (21°C) | 3 days |
| 90°F (32°C) | 2 days |

Generally, **COROGARD 66LSE EP** can be placed in service after the final cure time intervals have been achieved. Shorter or longer intervals may apply depending on service conditions. Consult RCC Corrosion Control for specific recommendations.

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CLEANING: Cleaning Agent T-100

SAFETY MEASURES

The material safety data sheets of the individual components as well as the legal requirements for handling hazardous materials must be observed.

PACKING UNITS

The products are supplied in the following standard package sizes:

| Description | Package Size |
|-------------------|--------------|
| COROGARD 66LSE EP | 3 gal kits |

STORAGE

The materials must be stored in a cool and dry place. At storage temperature of 70°F (21°C) the shelf life is as follows:

COROGARD 66LSE EP Resin 24 months
Hardener No. 11 24 months

If the storage time is exceeded, the materials must be tested before use. Higher storage and transport temperatures will reduce the shelf life. The containers must be kept tightly closed. Liquid products must be stored frost-proof.

| Technical Data | Testing Standard | Unit | Value |
|---|------------------|--------------------|--|
| Density | ASTM D1475 | lbs/gal kg/l | 9.72±0.25 1.16 |
| Viscosity - mixed | ASTM D2393 | cps mPa·s | 2500 ± 250 |
| Modulus of Elasticity (Bend Test) | ASTM D790 | Psi MPa | 150,000 1034 |
| Tensile Strength | ASTM D638 | Psi MPa | 2400 16.5 |
| Linear Coefficient of Thermal Expansion | ASTM C531 | in/in°F cm/cm°C | 17 x 10 ⁻⁶ 30 x 10 ⁻⁶ |
| Volatile Organic Compounds | EPA Method 24 | g/L lbs/gal | 59 0.49 |
| Maximum Operating Temperature* | | | |
| Immersion | | °F °C | 120 49 |
| Splash/Spill | | °F °C | 160 71 |
| Continuous Dry | | °F °C | 220 104 |

*Maximum operating temperature limits may vary depending on actual service conditions

We warrant that our goods will conform to the description contained in the order and that we have good title to all goods sold. This Product Data Sheet is considered accurate and reliable to the best of our knowledge at the date of its publication, but are used as guides only. The user assumes all risks and liabilities in connection therewith regardless of any suggestion, we may give. We assume no liability for performance of the product or for any loss or damage resulting from its use. Our liability, in law and equity, shall be expressly limited to the replacement of non-conforming goods at our factory, or at our sole discretion, to repayment of the purchase price of the non-conforming goods.

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