Product Data Sheet

RCC CORROSION CONTROL

COROFLAKE 266LSE EN
Low Surface Energy Epoxy Novolac Topcoat

PRODUCT DESCRIPTION

COROFLAKE 266LSE EN is a two-component, 100% solids Epoxy Novolac resin based topcoat 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.

COROFLAKE 266LSE EN has excellent resistance to alkalis, salts and acids including many mineral acids, most weak organic acids and inorganic acids including sulfuric acid at concentrations up to 98%.

COATING LAYERS COMPOSITION

COROFLAKE 266LSE EN is applied at 15-20 mils (375-500 µm) WFT, target 18 mils (450 µm) WFT per coat over **COROFLAKE 266 EN** and other compatible epoxy and epoxy novolac lining and coating systems from RCC Corrosion Control.

FIELDS OF APPLICATION

COROFLAKE 266LSE EN 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. Applications include protection in tanks, vessels, vaults, hoppers and silos.

FEATURES

- Application by spraying, brushing or rolling
- Easily cleaned to reduce maintenance costs Excellent chemical resistance including exposure to concentrated sulfuric acid
- Excellent adhesion to compatible undercoats
- Low surface energy finish provides a degree of non-stick properties
- Reduces process deposit build-up and caking
- 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 **COROFLAKE 266LSE EN,** the base lining or coating system shall have been completed and quality control tested. The surface to receive **COROFLAKE 266LSE EN** must be dry, clean and have not set longer than the recommended recoat interval for the last applied layer of the base lining or 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 **COROFLAKE 266LSE EN**.

APPLICATION

- Refer to specific product data sheets for the application of the primer and base lining or coating system being used.
- **COROFLAKE 266LSE EN** is applied by standard, plural or conventional spray, by brush or roller.
- Application of **COROFLAKE 266LSE EN** at 15-20 mils (375-500 µm) WFT achieves the same in DFT.
- Application by roller or brush may require additional coats to achieve the total recommended thickness.
- Minimum cure time is 3 days at 70°F (21°C) before placing the applied topcoat into most wet services. Allow 7 days cure at 70°F (21°C) before placing into concentrated sulfuric acid service.

Note: During application the lined surface should be shaded from direct or indirect sunlight when possible.

MIX RATIO

The mix ratio of **COROFLAKE 266LSE EN Resin** to **COROFLAKE 266LSE EN Hardener** is **2:1** by volume.

CONSUMPTION

Layer	Thickness mils (µm) WFT	Coverage
COROFLAKE 266LSE EN	15-20 (375-500)	65-75 ft^2/gal

WORKING TIME & RECOAT TIME

Temperature	Working Time	Min Recoat	Max Recoat
50°F (10°C)	60 min	12 hrs	24 hrs*
70°F (21°C)	40 min	6 hrs	24 hrs*
90°F (32°C)	20 min	4 hrs	24 hrs*

* Max interval when applying **COROFLAKE 266LSE EN** over itself

CURE TIME (to place in service)

Temperature	Minimum Cure time	Minimum Cure time for concentrated Sulfuric Acid
70°F (21°C)	3 days	7 days
90°F (32°C)	2 days	3 days

Generally **COROFLAKE 266LSE EN** 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.

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
COROFLAKE 266LSE EN	1, 5 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:

COROFLAKE 266LSE EN Resin 24 months
COROFLAKE 266LSE EN Hardener 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	9.89±0.25 1.19
Viscosity - mixed	ASTM D2393	cps mPa·s	2500 ± 250
Tensile Strength	ASTM D638	Psi MPa	4500 31
Linear Coefficient of Thermal Expansion	ASTM C 531	in/in°F cm/cm/°C	15-17 x 10^{-6} (27-30 x 10^{-6})
Volatile Organic Compounds	EPA Method 24	g/L lbs/gal	16 0.13
Maximum Operating Temperature* Immersion-Steel and Concrete (Dependent on the Base Coating or Lining System) Splash/Spill Concrete Continuous Dry		°F °C °F °C °F °C	 120-160 49-71 (Typical) 200 93 300 149

***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.