Product Data Sheet

RCC CORROSION CONTROL

COROFLAKE 266AR EN
Abrasion Resistant Epoxy Novolac Topcoat

PRODUCT DESCRIPTION
COROFLAKE 266AR EN is a two-component, 100% solids, abrasion resistant coating based on Epoxy Novolac resin.

COROFLAKE 266AR EN is applied as a topcoat/finish coat to protect steel and concrete structures against exposure to a wide range of chemicals including alkalis, salts, many mineral acids and weak organic acids, in abrasive environments.

COATING LAYERS COMPOSITION
The coating system consists of the two-component **COROFLAKE 266AR EN.** It is applied at 15-20 mils (375-500 microns) DFT over compatible epoxy and epoxy novolac lining and coating systems from RCC Corrosion Control. The coating color is grey.

FIELDS OF APPLICATION
COROFLAKE 266AR EN provides corrosion and abrasion resistant protection for concrete and steel structures in process and storage areas. Applications include protection in tanks, vessels, trenches, pits, process floors and secondary containment at chemical plants, power plants and other industries where abrasive chemical processes exist

FEATURES
- High abrasion resistance
- Excellent chemical resistance to acids and alkalis
- Very good resistance to sulfuric acid solutions
- Solvent free, low odor
- Easy to apply (spray, roll or brush)

CHEMICAL RESISTANCE
Information on the chemical resistance properties is available upon request.

SURFACE PRE-TREATMENT
Prior to the application of the **COROFLAKE 266AR EN** the base lining or coating system shall have been completed and quality control tested. The surface to receive **COROFLAKE 266AR EN** 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 **COROFLAKE 266AR EN**.

APPLICATION
- Refer to Product Data Sheets for the application of the primer and base lining or coating system being used.
- The time period between completion of the base lining or coating and application of **COROFLAKE 266AR EN** should not exceed 3 days. If the time between coats is exceeded the surface must be tested to confirm it is suitable for recoating. If deemed unsuitable for recoating the surface must be abrasive blasted or mechanically prepared prior to applying **COROFLAKE 266AR EN**
- **COROFLAKE 266AR EN** is applied by airless, plural component, or conventional spray, by brush or roller.

The target thickness of **COROFLAKE 266AR EN** should be 18 mils (450 microns) DFT with a range of 15-20 mils (375-500 microns) DFT per coat.

Application by roller or brush may require additional coats to achieve the total recommended thickness.

Allow 7 days cure at 70°F (21°C) before placing the lining into concentrated sulfuric acid service.

Note: During application the lined surface should be shaded from direct or indirect sunlight whenever possible. In atmospheric exposure **COROFLAKE 266AR EN** has a tendency to chalking with time.

MIX RATIO
The mixing ratio of **COROFLAKE 266AR EN Resin** to **COROFLAKE 266 Hardener** is 2:1 by volume.

Coating components are supplied in premeasured kits so that weighing or measuring of the components is kept to a minimum.

CONSUMPTION

Layer	Thickness mils (µm)	Coverage
COROFLAKE 266AR 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	7 days
70°F (21°C)	40 min	6 hrs	3 days
90°F (32°C)	20 min	4 hrs	2 days

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 266AR 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 266AR 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 266AR EN Resin 24 months
COROFLAKE 266 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	10.05±0.25 1.2
Viscosity - mixed	ASTM D2393	cps mPa·s	2700 ± 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})
Abrasion Resistance	ASTM D 4060	mg	25
Volatile Organic Compounds	EPA Method 24	g/L lbs/gal	19 0.16
Maximum Operating Temperature* Immersion-Steel and Concrete (Dependent on the Base Coating or Lining System) Continuous Dry Splash/Spill Concrete		 °F °C °F °C °F °C	 130-160 54-71 (Typical) 300 149 200 93

***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.