



Product Data Sheet For:

PlexiCoat F Novalac

DESCRIPTION

PlexiCoat F Novalac is a durable epoxy based coating used for coating concrete surfaces for increased chemical and heat resistance. It provides superior chemical resistance compared to conventional epoxy resin coatings. This is ultra clear and is available in 9 colors.

RECOMMENDED USES

- PlexiCoat F Novalac is an excellent coating for concrete, steel, aluminum and wood surfaces. It is formulated to provide better chemical resistance to dilute acids, caustics and solvents than conventional epoxy systems.
- *Typical applications include coating concrete surfaces in sanitary areas such as cafeterias, restaurants, hospitals and pharmaceutical facilities, and food and beverage processing plants.*
- PlexiCoat F Novalac is also recommended for coating battery acid storage areas, laboratory walls and floors, kennel surfaces, tunnels, dams and manufacturing plant walls and ceilings, and secondary containment areas and also containment areas that are exposed to jet fuel.

TYPICAL PROPERTIES

Compressive Strength	ASTM D-695	14,000 psi
Tensile Strength	ASTM D-638	6,800 psi
Flexural Strength	ASTM D-790	9,600 psi
Abrasion Resistance CS-17 Wheel, 1 kg load	ASTM D-4060	0.10 gm loss
Hardness	ASTM D-2240	96+
Bond Strength to Concrete (dry)	ASTM D-4541	425 psi
Heat Distortion	ASTM D-648	150F
Elongation at Break	ASTM D-638	10%
Water Absorption	ASTM D-570	0.09%

PACKAGING / COVERAGE

3-gallon unit

Coverage:

100 square feet per gallon @ 16 mils

LIMITATIONS

Do not apply in temperatures less than 50°F or greater than 95°F. (Material cures slower at cooler temperatures and working time will be substantially reduced at higher temperatures.) Both components should be stored in a dry place at temperatures between 65°F and 80°F. Do not apply to slabs on grade unless a heavy unruptured vapor barrier has been installed under the slab. Do not thin. Substrate temperature must be at least 5°F above the dew point.

VISCOSITY

Part A	1200 cps
Part B	475 cps
Mixed	800 cps

CURE SCHEDULE @ 75°F

Pot Life	15 minutes
Tack free	3 hours
Foot traffic	6 hours
Forklift traffic	7 hours
Chemical exposure (intermittent)	3 days
Chemical immersion (continuous)	10 days

SURFACE PREPARATION (Concrete)

Apply only to clean, dry and sound concrete substrates that are free of all coatings, sealers, curing compounds, oils, greases or any other contaminants. New concrete should be cured a minimum of 28 days. Concrete that has been contaminated with chemicals or other foreign matter must be neutralized or removed. Remove any laitance or weak surface layers. Concrete should have a minimum surface tensile strength of at least 300 psi. Surface profile should be CSP-3 to CSP-5 reflecting a profile equal to 60-grit sandpaper or coarser. Prepare surface by mechanical means only to achieve this profile. All surface irregularities, cracks, expansion joints and control joints should be properly addressed prior to application.

INSTALLATION PROCEDURES

1. Prime surface with PlexiSeal.
2. Mix Part A (Resin) prior to using.
3. Pour Part B (Activator) into Part A. Mix with mechanical mixer at low speed until uniform blend is obtained.
4. Apply by squeegee and back-roll onto surface. Empty contents of pail onto surface as soon as possible.