FloorFort-NOVALAC

Highly Chemically resistant Novolac Epoxy floor and wall Coating System

FLOORFORT-Novolac Epoxy Chemical Resistant Epoxy Coating is a 100% solids epoxy Novolac coating ideal for harsh chemical and solvent resistant applications. FLOORFORT-NOVOLAC is used in secondary containment, solvent storage, pump pads, trenches, and other high exposure areas.

FLOORFORT-Novolac Epoxy - Highly Chemical Resistant Epoxy is ideal for use as a protective coating for concrete and steel in the extremely corrosive areas of chemical plants and pulp mills secondary containment areas, water and waste treatment, and gas and electric utilities. FLOORFORT-NOVOLAC is commonly used for floors, walls and structures where extremely heavy chemical resistant performance is required.



Features

- Exhibits excellent resistance to strong acids, alkalis, and most industrial chemicals and solvents
- Can be applied in cool damp conditions
- Can be re-coated in 4 to 6 hours
- Can be applied in occupied facilities
- Forms a virtual moisture barrier
- Meets USDA standards
- 100% solids–Zero VOC Chemical resistant-meets strict low VOC requirements.

Composition

100% solids, modified amine adduct cured epoxy Novolac resin

Application field

FLOORFORT-NOVOLAC can be applied on most sound substrates including concrete, wood and metal floors. It will restore deteriorated structure /substrate in to a better than new condition. It is a high build undercoat or sheen finish , widely used for the treatment of steel and concrete structure. It is extremely hard and resistant to friction. It is particularly resistant to acids, alkalis, petroleum products, sulphur, tos solvents, water, sea water etc. Uses include steel fabrications and reinforcements, floors, walls and soffits, marine and sewage works, chemical industries, refineries,warehouse storage areas, plus industrial factory areas.Whether coating, lining, bonding or sealing, this two-component epoxy can withstand harsh, acidic environments, including prolonged immersion in sulfuric acid and hydrochloric acid for years.

LEED Requirements and ENVIRONMENTTAL INFORMATION

FLOORFORT-NOVOLAC flooring system meet the required VOC and emissions requirements and therefore contribute to LEED EQ Credit 4.2 &4.3 : Low-Emitting Materials

Typical Properties (Multi Component Resin Mixture)

Application Temperature	5 °C to 50° C
Pot life @25°C	2 hours
Over Coat time	4 to 12 hrs hours
Dry Time To Walk	12 hrs @ 25 °C
Full Cure	5 days @25° C
Coverage	2m²/Litre

engineered to perform

Technical Specification

Properties	Typical Values	Standard
Thickness	500 micron	
Bond Strength	≥2.5N/mm²(100% substrate failure)	ASTM 4551
Shore hardness	86 Shore D	ASTM D 2240
Water Absorption	NIL	ASTM D 471
CHEMICAL RESISTANCE	Excellent Resistance to various chemicals like acids, alkalis, fuels, grease, petrol	ASTM D543
Service temperature	Up to175 °C	
VOC	≤ 50 g/L	MPI 147

Application
Surface Preparation
The substrate should be fully dry, clean and sound. The surface must be free from dust, oil, curing compound and any foreign material. The substrate should be moisture free. Optimum performance, including adhesion, corrosion protection, heat resistance and chemical resistance is achieved with recommended surface preparation.

Priming
Prime the fully prepared surface (Recommended to use FLOORFORT Prime. Consult OBS-Support for proper selection of primer)

Mixing
Mix part A (resin) and part B (hardener) separately for 3 minutes using a speed drill fitted with a paddle to get even consistency. Apply the ready mix soon after the mixing.

Application
The well mixed Floor Fort-NOVOLAC should be spread to uniform thickness on the primed surface using brush , roller o spraying method. Apply as desired thickness can be between to 500 micron DFT in two coats application. This product suitable for various substrates.

Cleaning of Tools
Clean all the tools and equipment with Organix Solvent immediately after the use.

Packing
Two pack system consisting of A and B. It can be supplied in 20L Multiple Pack set

Storage
Store under ware house conditions, in the original unopened packs. Shelf life: 12 months under conditions below 45°C.

Health & Safety
Flash point 52°C, may Irritate to eyes and skin. Avoid breathing fumes, Wear suitable gloves and eye/face protection. Wash hands with water after

engineered to perform

ORGANIX BUILDING SYSTEM
Dubai - U.A.E., E : info@organixbs.com
www.organixbs.com