

Epoxy Systems'TM PolymericF

100% Solids Solid Colored Polymer Flooring System

GENERAL DESCRIPTION

Product PolymericF a two component, 100% solids Pigmented Polymeric Flooring Resin used for high indoor traffic areas where abrasion resistance is required; for protection against mild corrosion; and as a solid colored industrial flooring system. PolymericF is blended with select silica sands used as a workhorse industrial flooring system.

ADVANTAGES

- ⇒ *Moisture Insensitive*
- ⇒ *Ceramic like finish*
- ⇒ *Trowelable*
- ⇒ *Solvent Free*
- ⇒ *Waterproof*
- ⇒ *Extremely Durable*
- ⇒ *Chemical Resistant*

SURFACE PREPARATION

Surface must be clean and sound. Remove all dirt, laitance, grease, curing compounds, and other foreign matter by sandblasting, shot blasting, Epoxy Systems' Dust Free Grinding System, or other mechanical abrasion. Remove water and dust from all surfaces with an oil-free blast or vacuum immediately prior to application.

MIXING INSTRUCTIONS

Temperature of Product PolymericF must be 50 degrees F or above at time of mixing. Stir each component separately before blending. Mix two parts by volume of Part A with one part by volume of Part B for three minutes with a low speed electric drill motor equipped with a mixing paddle.

APPLICATION

Apply Product PolymericF with a roller, brush, or trowel at a thickness as required to provide the required thickness. Then broadcast with select dry silica sand. When dry Topcoat with a neat coating of Epoxy Systems' PolymericF.

LIMITATIONS

DO NOT apply at temperatures below 40 degrees F. Surface must be dry.

SAFETY PRECAUTIONS

Prolonged or repeated exposure may cause eye and skin irritation. If contact occurs, wash immediately and seek medical help. Use safety glasses with side shields and wear protective rubber gloves.

CLEANING

All tools and equipment should be cleaned before the system gels. Use MEK, Acetone, or any lacquer solvent.

TECHNICAL DATA

Weight 1/16 inch thick	0.5-0.7 lbs / sq. ft.
Weight 1/8 inch	1.0-1.2 lbs / sq. ft.
Flammability ASTM D-635	Self extinguishing
Fungus & Bacteria Resistance MIL-F-52505 ss 4.4.2.11	Will not support growth of fungus or bacteria when subjected to mildew and bacteria test specified in TT-P-34
Bond Strength to concrete ACI COMM #403 Bulletin 59-43	250 psi (100% concrete failure)
Adhesive Strength MIL-D-24613	420 psi
Hardness ASTM D-2240 Shore D	80-84
Water Absorption MIL-D-24613	Nil
Thermal Shock Resistance ASTM C-884	Passes
Abrasion Resistance ASTM C-501 D-4060	75 mg
Impact Resistance MIL-D-3134F ss4.7.3	Withstands 16/ft/lbs without cracking, delamination, or chipping
Compressive Strength ASTM C-579, 7 days	15,500 psi
Tensile Strength ASTM C-307	2,400 psi
Flexural Strength ASTM C-580	4,500 psi
Coefficient of Friction ASTM D-2047	0.80
Thermal Coefficient of Expansion ASTM C-531	22X10 ⁻⁶ in/in/degree F.

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