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Product Data Sheet For:

PLEXI*FLEX 100*

DESCRIPTION

Plexi*Flex 100* is a 100% solids, power-troweled epoxy resurfacer. Plexi*Flex 100* is installed at a thickness of ¼". It is designed to rehabilitate worn concrete and as a protective overlayment on new concrete while offering superior protection from heavy industrial traffic (impact, abrasion and compaction). The surface texture can be modified to offer varying degrees of slip and chemical resistance in wet environments.

TYPICAL USES

In heavy-duty forklift traffic aisles, high abrasion and impact areas, wet processing areas, and as a superior resurfacer that's easy to install.

FEATURES

VOC compliant, resistant to most reagents, high impact resistance, high abrasion resistance, and variable surface textures.

Formulation

Part A (resin), Part B (activator), Part C (color pack), Part D (graded silica sand).

Durability

Plexi*Flex 100* is highly durable and performs extremely well in areas requiring high impact and abrasion resistance. Plexi*Flex 100* also works well in spillage and wet processing areas, as well as areas where sanitation and dust free environments are required.

Appearance

Plexi*Flex 100* is available in standard colors, may be broadcast with quartz, and sealed with a variety of sealers. Likewise, the surface may be left smooth, without quartz broadcast, and top coated with epoxy or urethane resins.

Coverage

Approximately 24 – 28 square feet per single unit at ¼".

Surface Preparation

Remove oil, grease, chemicals and contaminants with detergent prior to mechanical preparation. Preferred method of mechanical preparation is shot-blasting and scarification. Use diamond grinders in hard to reach areas.

Mixing

Premix Part A (resin), Part B (activator), and Part C (color pack) in a running rotary drum mixer. Mix parts together for approximately 30 seconds. Slowly add Part D (aggregate), and mix until a lump-free, thoroughly wetted-out matrix is obtained.

Installation

Install Plexi*Flex 100* on primed substrate. Screed by spreader box or with a gauge rake. Immediately after placing, material must be hand-troweled or power-troweled to ¼" thickness. Caution – Do not over trowel. Over troweling may cause blistering.

Cure Rate

	55°F	72°F	90°F
Foot traffic	14-16 hrs	9-10hrs	6-8 hrs
Medium loads	20-24 hrs	12-16 hrs	8-10 hrs
Heavy / CR	96 hrs	48 hrs	24 hrs

Finish

Lightly sand Plexi*Flex 100* after curing. Allow 8 – 10 hours of cure @ 72°F after installation of Plexi*Flex 100* before installing desired topcoat.

Physical Properties

Compressive Strength	ASTM C-997	11,000 psi
Tensile Strength	ASTM C-307	2,200 psi
Abrasion Resistance CS-17 Wheel, 1 kg load	ASTM D-1044	0.10 gm loss max
Water Absorbtion (2 Hour Boil)	ASTM C-413	0.29%
Flexural Strength	ASTM C-580	4,200 psi
Shore D Hardness	ASTM D-2240	90 - 92
Heat Distortion Degrees F		150F continual 200F intermittent
Bond Strength to Concrete (dry)		100% substrate failure