

Floor**FORT** FG-Extreme

HEAVY DUTY POLYURETHANE FLOORING SYSTEM

FLOORFORT FG - Extreme , a high performance heavy duty polyurethane resin flooring system is designed to exceed the ever changing needs of both the industrial and commercial markets for seamless, smooth , extreme chemical and temperature resistance, hygienic, safe trafficable UV resistant flooring . FLOORFORT FG-Extreme Heavy duty Polyurethane Flooring Systems are Unique as they are specifically formulated to meet the demands of existing and new build fast track projects. It is a multi component, solvent free, flexible hybrid polyurethane flooring system for heavy duty and exterior/interior requirements .

This resin rich floor systems that are moisture tolerant and are ideally suited to the most aggressive environments and fully serviceable at temperatures from -40°C up to 130°C centigrade.

FEATURES

- High resistance to abrasion
- High resistance to impact
- Maximum Chemical resistance
- Extremely temperature resistant
- Slip resistance
- Weather stability and colour fastness
- Easy cleaning and care
- Withstand constantly wet states because of water spills , animal blood etc
- Heavy duty and vehicle trafficable
- Completely waterproof and washable
- Good leveling
- Non toxic
- Anti-fungal and Anti-bacterial
- UV resistant
- Ultra Low VOC

FLOORFORT FG Extreme uses for the floor areas requiring maximum thermal stability and chemical resistance such as food and beverage processing industries, cool rooms and freezers, commercial kitchens, abattoir, chemical plants, laboratories, auto mobile industrie , pharmaceutical and hospitals .



TYPICAL PROPERTIES (MULTI COMPONENT RESIN MIXTURE)

MIXED USABLE POT LIFE	30 to 40 minutes @ (25°C)
APPLICATION TEMPERATURE	+5° C to 50° C
SOLID BY VOLUME	100%
DRYTIME TO WALK	12 Hrs @ 25°C
FULL CURE	5 days @ 25°C
VOC	Zero g/L

engineered to perform

TENSILE STRENGTH	9 N/mm ²	ASTM D 412
FLEXURAL STRENGTH	21 N/mm ²	ASTM D 790
COMPRESSIVE STRENGTH	55N/mm ²	BS 6319-2
TEAR STRENGTH	20 KN /m	ASTM D 1004
HARDNESS	60 shore D	ASTM D 2240
FLEXIBILITY	Passes @ -40°C	Federal test 141 A-6221
BOND STRENGTH	2.5 N/mm ²	ASTM D 4541
WATER ABSORPTION	NIL	ASTM D 471
U.V Resistance	ASTM G 53	Excellent
VOC	MPI 147	≤50 g/L
SERVICE TEMPERATURE	ASTM C 884	-40 °C to 130 °C
SYSTEM THICKNESS		3mm to 9 mm
CHEMICAL RESISTANCE	ASTM D543	Resistance to various chemicals like acids , alkalis , fuels , grease , petrol etc

SURFACE PREPARATION

All surfaces must be clean and free of any moisture, dirt, oil, grease, soapy films, surface chemicals, or other foreign contaminants. Surfaces shall be free of sharp projections, ridges and losses aggregate. The actual surface preparation procedures which are to be followed on a specific project will vary depending upon the age of the concrete, the degree of finishing or troweling, or presence of contaminants or curing compounds.

MIXING

FLOORFORT FG-Extreme is supplied in pre-measured multi components (Base, Hardener , Binders , Colorant for Specific requirements). Base and hardener components should be stirred separately before mixing together. Mix colour pack along with hardener component to achieve a uniform consistency . Add base and continue mixing . Add Binding fillers slowly in to the mixed components and continue mixing further for at least three minutes to obtain a lump free mixture . Always prefer to mix the given pre measured quantity at one shot and use within the pot life to attain maximum performance of the product .

APPLICATION

Through mix FLOORFORT FG extreme should be spread on the prepared surface with a notched trowel to a desired thickness . prior to utilizing the material. Apply by brush, roller or airless spray and if required go for the second coat. Successive spreads should be placed perpendicular to the previous spread before the surfaces begins to set to assure positive and uniform build. Entire surface must be uniformly spread and be free from voids, pinholes and blisters.

COVERAGE

Coverage rates will depend on the profile of the substrate. To obtain a 3 mm thickness flooring, requires 3 liters of the mixture.

PACKING AND SHELF LIFE

Multi Component set, If stored under covered roof, shelf life will be 12 months

HEALTH AND SAFETY

Keep out of reach of children. Ensure to maintain good ventilation during application and drying process. In case of skin contact, wash with soap and water or a recognized skin cleaner. Avoid contact with eyes. In case of contact with eyes rinse immediately with running water and seek medical advice. If product is ingested drink plenty of water or milk. Do not induce vomiting at any time. Seek medical advice. Refer to the Material Safety Data Sheet (MSDS) for detailed information about the product and transportation and classification criteria.

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