FloorFORT PU

POLY URETHANE FLOORING SYSTEM

FLOORFORT PU high performance polyurethane flooring is designed to exceed the ever changing needs of both the industrial and commercial markets for seamless, hygienic and safe flooring. FLOOR FORT PU Heavy duty Polyurethane Systems are Unique as they are specifically formulated to meet the demands of existing and new build fast track projects. It is Two-component, heavyduty, exterior/interior, low-VOC, high-solids, polyester aliphatic urethane industrial floor coating. Provides a high gloss, excellent chemical resistance, color retention and chalk resistance



A range of resin rich floor systems that are moisture tolerant are ideally suited to the most aggressive industrial environments, solvent free, non tainting and fully serviceable at temperatures up to 120° centigrade @ 9mm thickness. FLOORFORT PU industrial flooring is available in a range of standard systems in coloured finishes which include smooth, textured, terrazzo surfaces and antistatic grades.

FEATURES

- High resistance to abrasion
- High resistance to impact
- Chemical resistance
- Impermeability to liquids
- Crack-bridging
- Slip resistance
- Electrical conductivity
- Weather stability and colour fastness
- Easy cleaning and care
- Good leveling
- UV resistant
- Low VOC

FLOOR FORT P U was designed for use as wear resistant, waterproof membrane on vehicular and pedestrian traffic decks. FLOOR FORT P U is a durable abrasion resistant coating which waterproof and protects occupied spaces below, while isolating the substrate from the destructive forces of gasoline, oil, salts, solvents cleaning compounds and other chemicals commonly found in parking deck structures. Various types of aggregate can be broadcast into the FLOOR FORT P U to provide a non-skid surface. On vehicular traffic decks, FLOOR FORT P U is typically used on its own as the entire system.

TYPICAL PROPERTIES (MIXED LIQUID)

MIXED USABLE POT LIFE	30 t0 40 minutes @ (24°C)
SOLID BY VOLUME	100%
DRYTIME TO WALK	8 Hrs @ 25°C
FULL CURE	24 Hrs @ 25°C
VOC	≤2g/L

engineered to perform

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TECHNICAL PROPERTIES (CURED)

TENSILE STRENGTH	1,500PSI (+/-200)	ASTM D 412
ELONGATION	200%(+/50)	ASTM D 412
TEAR STRENGTH	200LB/IN.(+/-30)	ASTM D 1004
HARDNESS	50 shore D	ASTM D 2240
FLEXIBILITY	Passes @ -20°C	Federal test 141-6221
PERMEANCE	1.2 perms at 60 mil	(ASTM E 398)
WATER ABSORPTION	No swelling or softening	(ASTM D398)

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.

COATING APPLICATION

Through mix both part A and part B FLOOR FORT P U components prior to utilizing the material. When blend the Part A and the Part B components using a power mixer for a minimum of 2 to 5 minutes until a uniform color is achieved. Apply by pouring out well blended FLOOR FORT PU in an S pattern across a 3 to 6 section of the deck, then spread evenly to the desired thickness using a roller, squeegee or notched trowel.

FLOOR FORT P U can be applied with a smooth finish, or with a spatter-coat or aggregate surface. All systems require two (2) or three (3)separate coats depending upon job site conditions and dry film requirements. Successive coats should be applied perpendicular to the previous coat to assure positive coverage and uniform film build. All surface must be uniformly coated and be free from voids, pinholes and blisters. Allow each separate coat of FLOOR FORT P U to dry tack free prior to Appling an additional coat. This will take a minimum of 4 hours .

COVERAGE

Coverage rates will depend on the profile of the substrate. To obtain a 250micron thickness coat apply FLOORFORT PU at a rate of 4 sq m per Litre. To obtain a 500 micron thickness coat apply FLOORFORT PU at a rate of 2 sq m per Litre.

PACKING AND SHELF LIFE

5L and 20 L, If stored under covered roof, shelf life will be 18 months

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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