

MONNELI EPOFLOOR P 1150

Protective, Polyurethane Based Traffic Deck Coating System

Product Description

A durable, tough polyurethane based deck coating system providing a protective and seamless, profiled, wear resistant surface for traffic areas.

Uses

EPOFLOOR P 1150 can be used as a protective trafficable wear resistant floor coating for variety of applications such as:

- Traffic ramps
- Car park decks
- Plant rooms
- Protection of concrete from damaging effect of chemicals, salt water, fuel and oil spillage

Advantages

- Excellent chemical resistance
- Good crack bridging capacity
- Formulated to suit Middle East conditions

EpoFloor P1150 System Components

PRIMER PU	Solvent based epoxy primer
EPOFLOOR P380	Single component polyurethane protective traffic coating
EPOFLOOR LM	Line marking coating

Instructions for Use

Surface Preparation

The surface should be sound, clean, dry and free from loose and flaking materials, efflorescence, laitance, curing compounds, dirt, oil, grease or other contaminants. Captive blasting or surface grinding is strongly recommended in order to provide a suitable profiled open textured surface.

New concrete or cementitious surfaces should be at least 28 days old and have moisture content not exceeding 5%. Old or existing floors must be refurbished mechanically to ensure a clear and sound substrate.

Surface irregularities and blow holes should be repaired with EPOFINISH C, a solvent free epoxy fairing coat. Allow the repair material to harden.

Ensure dust is removed from the surface using an industrial vacuum once all preparations are completed.

Application

Priming

Apply PRIMER PU, a high performance solvent based epoxy primer using a suitable roller at the rate of 6-8m²/L. Allow the applied coat to cure until it is tack free. Apply 2 coats if the substrates are highly porous. While the primer is still wet, broadcast QUARTZO NO.2 at approximately 0.6-2.0 kg/m². Allow to cure for 24 hours. Excess aggregate shall be brushed away.

Protective Traffic Coating

Stir EPOFLOOR P380 properly to ensure uniformity of color before application. Apply by roller or airless spray to the tack-free surface at the minimum rate of 4.0m²/Liter per coating.

Line Marking Coating

Stir EPOFLOOR LM thoroughly prior to application. It can be applied with brush, roller or airless spray gun at a rate of 5m²/liter (200 microns wet). It may be needed to dilute the product with 5-10% SOLVENTE 10, if airless spray gun is used. The nozzle tip of the gun should be from 4 to 6 mm. Apply the paint with a pressure of 30-40 psi.

Cleaning

Clean tools with SOLVENTE 10 promptly before material hardens. Cured material must be mechanically removed.

Recommendations

- EPOFLOOR P1150 should be applied to the prepared floor after a curing of 28 days or more has elapsed.
- EPOFLOOR P1150 should not be applied to the following substrates: damp substrates, asphalt, PVC tiles or sheets, hardboard / chipboard.
- Do not apply EPOFLOOR P 1150 when the humidity exceeds 90%
- Make sure that the substrate temperature is +3°C higher than the dew point.

Packaging

PRIMER PU	15 liter kit
EPOFLOOR P 380	15 liter pail
EPOFLOOR LM	15 liter pail
QUARTZO NO. 2	25 kg bag
SOLVENTE 10	20 liter kit

Consumption

PRIMER PU	6-8 m ² /Liter depending on surface texture and porosity of the surface
EPOFLOOR P 380	4.0m ² /Liter at 200 microns DFT (smooth surface)
EPOFLOOR LM	5m ² /Liter for 100 micron, (dry) depending on the surface conditions and method of application
QUARTZO NO. 2	0.6-2.0 kg/m ² depending on application

Technical Data

Properties	Results
PRIMER PU	
Pot life at 25°C	60 minutes
Density at 25°C	0.96 kg/L
EPOFLOOR P380	
Viscosity at 25°C, 50 s-1	800 cps
Density at 25°C	1.5 kg/L
Elongation	Up to 40%
Tensile strength	25 N/mm ²
Tear strength	45 N/mm ²
Solid content	83%
Open time at 25°C	Minimum 45 min Maximum 4 hours
Open to foot traffic at 25°C / 50% RH	6 - 8 hours
Open to vehicular traffic at 25°C / 50% RH	16 hours
EPOFLOOR LM	
Solid content	65%
Density at 25°C	1.45 kg/L
Touch dry at 25°C	Approx. 10 minutes
Application temperature	5°C to 35°C
Recommend minimum dry film thickness	200 microns

All values are subject to 5-10% tolerance

Storage

Store EPOFLOOR P1150 in dry and covered shed. Exposure to extreme temperature and direct sun light results in the deterioration of the product's efficiency and reduces its shelf life. If stored as recommended its shelf life would be 12 months from the manufacturing date.

Health & Safety

During application, wear appropriate protective clothing, goggles, gloves and respiratory equipment if necessary.

In case of contact with skin, rinse with water and again wash thoroughly with soap and water. In case of contact with eyes, rinse with plenty of water and seek medical advice accordingly. If ingested, obtain medical attention immediately. Do not induce vomiting.

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