



PolyScreed 2000 3K

Three Component Chemical & Abrasion Resistant Epoxy Screed

DESCRIPTION

PolyScreed 2000 3K is three component abrasion resistant flooring laid by trowel. PolyScreed 2000 3K is extremely tough, durable, slip resistant and is ideally suited for areas subjected to high impact, high abrasion, forklift movement and areas exposed to chemicals and oil spillage. PolyScreed 2000 3K provides excellent bond to concrete surfaces and can be incorporated in the design of new floors or as an overlay to existing floors to protect it against impact and corrosive effect to chemicals. PolyScreed 2000 3K is applied in thickness from 2 mm to 5 mm.

TECHNICAL DATA

Pot Life at 30 °C	40 – 50 minutes	Shrinkage	Nil
Compressive Strength	45 – 55 N/mm ²	Flexural Strength	18 - 24 N/mm ²
Tensile Strength	6 - 8 N/mm ²	Bond Strength	2 - 4 N/mm ²
Charpy Impact Value	34 – 42 Joule/meter	Taber Abrasion Resistance	1.8 mgs
Rockwell Hardness	9.8 on 'R' scale	Thickness	2 mm
Curing Time at 30 °C		Coverage, per 20 kg	4.5 sqm for 2 mm thickness
Foot Traffic	24		
Vehicle Traffic	48		
Full Cure	7		

APPLICATIONS

- Production line areas like processing plants, storages areas, loading bays etc.
- Fertilizers, petrochemical plants, bottling plants, power houses, pharmaceutical industries, paper mills, textile mills, dairies, breweries and automobile plants
- Effluent treatment plant lining. Can be used as coving material
- Used as coving material on the wall and floor joints.

ADVANTAGES

- Resists abrasion / impact load / chemicals including acids and alkalies
- Provides good gripping surface to both vehicular and pedestrian traffic
- Extremely durable and excellent bond to concrete



APPLICATION METHODOLOGY

- PolyScreed 2000 3K should be applied only if the moisture content of the floor is below 5%.
- When applied over concrete surface must be sound, free from dust, laitance, other contaminants and 28 days cured.
- Surface must be prepared by mechanical abrasion
- For best bond, make concrete surface slightly textured by applying emery paper
- Remove all oil, grease by washing with liquid detergent followed by acid wash or by burning
- Remove dust flakes or other foreign particles by jet or dry air and clean the surface mechanically by scarifying or by grinding to make it smooth before application
- Remove any lime, distempers or acrylic coating prior to applying PolyScreed 2000 3K by surface grinder
- All surfaces should be primed by brush or roller using PolyPrime Epoxy at a rate of 250 gms/sqm and allow it to dry for 6 – 8 hrs (consumption can vary with surface porosity)
- Mixed PolyScreed 2000 3K component A and B thoroughly by using a drill mixer till a homogeneous mix is obtained. Then add component C slowly, ensuring complete dispersion after adding component C. Mix for minimum 5 – 10 minutes
- Pour the mixed material on the floor and spread it over the calculated area by using steel trowel
- Compact the material by tamping with a wooden float. Finish off by troweling with steel trowel to a smooth finish
- Anchor the screed mortar near floor to walls joints, around columns, foundations and at edges of trenches, gutters, bays and expansion joints
- To ensure uniform thickness, the mixed material should be spread out between temporary screeding bars used as shuttering. After application is completed, bar can be removed, cleaned and reused.

COVING

Note: After application of PolyScreed 2000 3K, it has to be sealed with sealer coat or PolyPoxy FC.

PolyDeck SL can also applied as topping.



LIMITATION

- Do not apply PolyScreed 2000 3K on surfaces known to, or likely to, suffer from rising dampness, potential osmosis problems or having relative humidity greater than 75%
- Do not apply PolyScreed 2000 3K to asphalt, weak or infirm concrete, unmodified sand / cement / screeds, PVC tiles or sheets or substrates known to movement
- Do not apply PolyScreed 2000 3K at temperature < 10 °C or > 45 °C

CLEANING

- Clean all tools immediately after use with xylene. Do not allow material to harden

HEALTH AND SAFETY

- Use mask, nose cover and hand gloves during application
- Clean hands with soap after application
- The product should not come in contact with the skin and eyes.
- Avoid contact with skin / eye. In case of unlikely contact with skin / eyes, rinse immediately with plenty of clean water, then clean with soap and lukewarm water and seek medical advice. Do not use solvent to clean the contacted area
- Prevent swallowing. In case of unlikely swallowing, seek medical attention immediately. Do not induce vomiting.

PACKAGING

Available in 20 kgs box consisting of Component A, B & C.

STORAGE

Must be stored in original packing at ambient temperature, dry place under shed away from heat.

SHELF LIFE

If stored in original unopened sealed under the above conditions, it has a shelf life of 12 months.