

Technical Data Sheet

Description

Tek-Floor WB is a high performance water based coating designed for use as a cost effective durable floor protection system. **Tek-Floor WB** consists of a unique blend of water dispesable epoxy resin combined with hydrophilic amine adducts reinforced with ceramic particles that is specially selected to produce a tough durable coating with optimum level of adhesion, abrasion , impact and chemical resistance.

Advantages

- Easy to use
- Excellent adhesion to any floor surface with appropriate primer
- Simple and safe product

Uses

- Can be used for concrete
- Quarry tiles
- Previously painted surface
- Easy clean surface is required

Physical Properties*

Properties	Test Results
Abrasion resistance, ASTM D 4060	32 mgm loss/1000 cycles, 1 kg load
Adhesion , ASTM D4541	3 MPa (on concrete)
Impact resistance , ASTM D2794	3.9 Joules
Scratch resistance , BS 3900 Part E2	No failure at 2.5 kg load
*The above properties are average laboratory values	

Packing

Tek- Floor WB is supplied in 5 and 15 liter packs

Application Properties

Mixing ratio	4:1 (Base : Hardener)
Appearance	Base – coloured , Activator – clear liquid
Pot Life	2 hours
Touch dry	4 hours
Hard dry	16 hours
Minimum over coating	16 hours
Maximum over coating	5 days
Full cure	7 days
Volume solids	50%
VOC	Nil
WFT	100 microns
DFT	50 microns

Theoretical Coverage

10 m² / liter at 50 micron dry film thickness.

Shelf Life

12 months when stored in factory packed unopened kit in a cool dry and elevated place away from direct sunlight excess humidity and at a temperature not more than 35°C.

Application Guidelines

Spraytek provides detailed method statements on all its products for use in various areas of applications. These must be referred to prior to carry-out the works. The information below is intended for guidance only.

Surface Preparation

The new concrete should be at least 7-14 days old. The surface should be sound, clean, dry and free from any dirt, loose debris, oils, grease, curing compounds sealers etc. Should be prepared and primed with **Tek- Prime SF** in accordance with the product data sheet. For metal surface, surface be abrasive blast cleaned, any resulting dust abd debris should be swept clean. The surface can be then primed with **Tek-Prime SF**.

Mixing

Tek-Floor WB is a two component material comprising of base and activator components which must be mixed prior to use.

The base component should be thoroughly stirred to ensure no separation and then activator should be added. The product to be mixed continuously to get a homogeneous mix.

To provide a slip resistance finish, **Tek-Grip Aggregate** is supplied separately which has to be mixed to one 5 liter unit and thoroughly stirred.

The material mixed should be used within two hours.

Application

Application should not be carried out when air and surface temperature are below 5 degree or the humidity exceeds 85%.

Tek-Floor WB can be brush or roller applied.

Brush application should be carried out using even brush strokes. The product should not be overbrushed which may lead to lower than specified thickness.

For roller application, **Tek-Floor WB** should be spread evenly over the surface to give a wet film thickness of 100 microns. Periodic thickness check has to be done to ensure correct uniform thickness.

Thinning is normally not recommended. If required, then to be thinned with 5% clean water by volume.

Technical Support

Spraytek offers full technical support package to specifiers, contractors and end users, as well as technical assistance on site and after sales consultations.

Health & Safety

As with all chemical products, caution should always be exercised. Protective clothing, such as gloves and goggles, should be worn. See packaging/MSDS for specific instructions.

Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

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