



Technical Data Sheet

Description

Tek-Coat WB is a high performance water based epoxy coating designed for use in internal wall surface and is ideal for application in hygienic conditions and low odour requirement.

Advantages

- Easy to use
- Optimum adhesion, abrasion, impact and chemical resistance
- Excellent bacteriological and graffiti resistance
- For hygienic conditions
- Low odour

Uses

Tek-Coat WB is ideal for application in food and beverage processing establishments where low odour and hygienic conditions are important.

Physical Properties*

Properties	Test Results
Abrasion resistance, ATSM D 4060	70 mg loss/1000 cycles, 1 kg load
Bacteria resistance ASTM 4618 sec 4.5	Excellent
Dry heat resistance , ASTM D 248	135 degree C
Scratch resistance , BS 3900 Part E2	No failure at 2.5 kg load
Humidity resistance BS 3900 part E2	Unaffected after 5000 hours
Water vapour permeability ASTM D1653	5.62 x10 -6 perm.cm
*The above properties are average laboratory values	

Packing

Tek- Coat 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	6 hours
Maximum over coating	5 days
Full cure	10 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 is 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 substrate 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 GP** in accordance with the product data sheet. For metal surface, surface be abrasive blast cleaned, any resulting dust and debris should be swept clean. The surface can be then primed with **Tek-Prime SB**

Mixing

Tek-Coat 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.

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-Coat WB can be brush, roller or spray 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-Coat 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.

For airless spray, the settings are as follows,

Tip Size : 0.011 – 0.015 “

Tip Pressure : 1750 – 2500 psi

Product Temperature : 20 – 25 degree C

Excellent high tip spraying pressures should be avoided. The minimum pressure at the pump conducive to good atomisation should be used.

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

All equipment's must be cleaned immediately after use with water, stubborn deposit should be removed with universal thinner.

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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Spraytek Coatings LLC

P.O. Box 27356, Dubai, U.A.E., Tel.: +9714 2221432, Fax: +9714 2275750, Email: info@spraytek.ae

www.spraytek-me.com