

Tek-Seal SF

Solvent-free high build clear epoxy sealer



Technical Data Sheet

Description

Tek-Seal SF is a two component solvent-free high performance, high build epoxy clear sealer suitable for use with a wide range of epoxy coatings systems.

Advantages

- Solvent-free
- High penetrating
- Formaldehyde free
- Non-toxic
- VOC complaint
- Can be used as primer

Specification

Complies with ASTM C881, Types 1 and III, Grade 1, Class B, C, D, E and F

Physical Properties*

Property	Typical Results
Volume solids	100%
Specific gravity	1.05 ± 0.05
Pot life	60 minutes at 30°C
Touch dry	4 hours at 25°C
Recoat time	6 to 18 hours
Bond strength to concrete	Greater than cohesive strength of concrete
*The above properties are average laboratory values	

Volatile Organic Content

Zero VOC

Fire performance

BS 476 Part 7: Class 1 surface spread of flame

Food Contact

Meets USDA requirements for incidental food contact.

Packing

Tek-Seal SF is available in 5 and 15 lt. pack.

Theoretical Coverage

10 m² per liter at 100 microns DFT

Actual coverage will depend on wastage & surface profile, and can be up to 20-30% or more higher than the above theoretical coverage.

Shelf Life

12 months when stored in cool dry environment in factory packed unopened containers between 5°C to 25°C.

Installation Guidelines

Spraytek provides detailed method statements on all its products for use in various applications. These must be referred to prior to starting the work. The information below is a summary intended for guidance only.

Surface Preparation

Concrete substrate must be structurally sound. Loose or unsound concrete should be removed. Surfaces must be entirely free of oil, grease, paint, corrosion deposits, dust, laitance or other surface deposits. The substrate must be prepared to create a 'key' for bonding. Any blow holes should be filled with **Tek-Crete EFC**. The moisture content of the concrete substrate should be less than 7%.

Mixing

Tek-Seal SF is supplied as a two component epoxy resin product. Add 'Part B' to the 'Part A' into suitable clean container and slowly mix with low speed drill (300-500 rpm) with mixing paddle. Mix approximately for 3-5 minutes to achieve streak free consistency. Improper mixing will result in a soft or tacky / uncured surface. DO NOT add thinner or any solvents.

Application

Apply 100 microns per coat WFT using medium pile roller. If the substrate porosity is too high, recoat after 4 to 16 hours at 35°C.

Precautions

Do not add any thinner or solvent.
Do not mix by hand.
Do not part mix, use full pack.
Do not apply in wet conditions or at temperature below 3°C of the dew point.
Do not over mix the product.
Do not dispose into water drains.

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.

Reference #	TDS / STC /TSSF
Issue Date:	06/2012
Revision #	1

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