



Technical Data Sheet

Description

Tek-Floor SL HS is a polymer modified high strength single component self-leveling underlay screed. The material has been specially formulated to provide a smooth crack-free leveled surface.

Advantages

- Single component
- High strength
- Formaldehyde free
- Provides flat surface
- Crack free
- Easy application

Uses

- Underlayment for floor coverings such as carpet, ceramic tiles, vinyl, parquet, linoleum etc.

Physical Properties*

Property	Typical Results
Compressive strength	>35 MPa at 28 days
Flexural strength	>5 MPa at 28 days
*The above properties are average laboratory values	

VOC Content

- Nil

Fire performance

BS 476 Part 7: Class 1 surface spread of flame

Packing

Tek-Floor SL HS is available in 25 kg bag.

Theoretical Coverage/yield

5.0 to 5.5 litres per 25 kg bag. 15 m² per 25 kg bag at 1mm thick. Yield 15 lt. per 25 kg bag.

Shelf Life

12 months when stored in factory packed unopened bags 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

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 using light scrubbing or mechanical shot blasting or diamond grinding. Make sure to remove debris and dust using vacuum cleaning.

Any large cracks or holes should be filled using equal volume of **Tek-Floor SL HS** and clean fine sand, mixed to trowel applied consistency.

All new concrete substrate should be at least 14 days old.

Priming

Prime the concrete substrates using **Tek-Prime AR** applied at 8 to 10 m² per lt. The primed surface must be tacky prior to applying **Tek-Floor SL HS**.

Extremely porous substrates may require another coat of primer to avoid any air bubbles and in-holes in the finished surface.

Mixing

Tek-Floor SL HS is single component consisting of powder, mix one 25 kg bag into 5.0 to 5.2 liters of clean water (depending upon environmental conditions) using with low speed drill (300-500 rpm) with mixing

paddle. Mix approximately for 3 minutes to achieve lump-free consistency.

Dispose, if the mixed product thickens. Do not add additional water.

Do not mix by hand.

Application

The mixed material should be applied immediately after mixing is completed. Allow material to flow to its own level. The application thickness should be between 2 mm and 10 mm maximum.

Do not add additional water or re-tamper the mix.

Do not use water to finish the surface.

Tek-Floor SL HS may be spread with pin-leveler, rake, steel trowel, or notched trowel. After the material has been spread to required thickness, the surface should be spike rolled to release any air entrapments and to achieve smooth leveled surface. To maintain uniform application, it is advisable to keep subsequent mixed materials ready for continuous application.

Curing

No curing is required, to avoid rapid drying protect from drying winds and direct sunlight, during actual application and while curing for up to 24 hours. Cure with **Tek-Cure WB** in hot weather conditions.

Precautions

Ensure the temperature range for use 5°C to 45°C.

Do not apply in rain or windy conditions or at temperature below 5°C.

Do not apply in direct sun light and drying wind

Do not mix by hand or use excess water.

Do not add water to the stifled product Discolorations, minor surface imperfections and small air-bubbles will affect the performance properties.

Technical Support

Spraytek offers full technical support package to specifiers, contractors and end users, as well as technical support 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.

Ensure the container is available for the medical attendant to examine for any relevant instructions and content details. Reseal all containers after use and ensure product is stored as instructed on the safety section of the labeling.

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