

## Technical Data Sheet

### Description

**Tek-Floor Deck** is a multi-component high quality elastomeric intermediate polyurethane resin based wearing coat for car park deck coating system. **Tek-Floor Deck** is designed to provide a flexible and crack bridging waterproof coating for highly trafficked areas.

### Advantages

- Flexible. Excellent crack bridging capability
- Good chemical resistance
- Resistance to water and vapour
- Can be applied on various substrates
- Available in standard colors

### Uses

**Tek-Floor Deck** is designed as an intermediate wear resistance coating for heavily trafficked areas where crack bridging and waterproofing properties are required:

- Plant rooms
- Car park decks and ramps
- Terraces and balconies
- Industrial floors
- Trafficable flat roofs
- Factory ware house
- Chemical processing areas

### Packing

**Tek- Floor Deck** is supplied in 10 & 20 liter kits

### Coverage

0.5 – 1.0 liter / m<sup>2</sup> depending on surface roughness.

### 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.

### Technical Specification

Properties	Test Result
Color	Grey (other standard colors on request)
Density, g/cc	1.55+/- 0.05
Tensile strength	>13 MPa
Elongation @ break	70%
Tear resistance, N/mm	28
Shore D hardness	65
Crack bridging capability	>0.5 mm
Initial Cure	10-12 hours
Full Cure	7 days
Application temp	5°C – 35°C
Chemical resistance	Dilute acids and alkalis, fuels, solvents, oil etc
*The above properties are average laboratory values	

### 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 28 days old and moisture content should be less than 7 %. The surface should be sound, clean, dry and free from any dirt, loose debris, oils, grease, curing compounds sealers etc. Surface irregularities and blow holes shall be repaired using **Tek crete EFC** or **Tek Crete EGP**. All dust and loose material should be removed by vacuum cleaning or sweeping from surface.

### Priming

Prime the prepared surface with **Tek-Prime PU** @ 4-5 m<sup>2</sup>/litre. The coating is applied when the primer is tacky to semi tacky condition. However in any condition, the coatings should be applied within 12 hours of application of primer. If the primer surface is left open

for more than 12 hours, then a fresh coat of primer has to be re-applied. Broadcast **Tek-Grip Aggregate** on the primer while it is still wet @ 3 Kg / m<sup>2</sup>. After primer dries off, brush away or vacuum out the excess aggregate.

### Intermediate wear coat

**Tek Floor Deck** shall be applied as the intermediate wear coat. This coating is supplied in 3 weighed packs (resin, hardener and filler). Pour the resin in a suitable container. Add the hardener (part B) into the resin and mix thoroughly with a proper mixing paddle using a slow speed drill for 2-3 minutes till a homogeneous mix is obtained. Slowly pour the filler ( part C) into the mixing vessel and further mix for 2-3 minutes. Work the mixer round the vessel to ensure it scrapes the side and bottom of the pail. Once the material is mixed properly, pour the material onto the primed surface and spread it evenly with a notched trowel. Once the material is evenly spread, use a spike roller to take out the entrapped air. Spiking shall stop as soon as coating starts to gel. While the coating is still wet, broadcast **Tekk-Grip Aggregate** @ 2-4 kg per square meter. Allow to cure for 24 hours and remove excess aggregate by brush.

### Topcoat

An abrasion resistant top coat is recommended to be applied on top of the wear coat to protect the surface from mechanical damage. Allow the coating system to cure for 7 days, after which it can be subjected to heavy traffic.

### Cleaning

Clean all the tools with solvent immediately after application. Hardened materials can be removed by mechanically only.

### 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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