#### **Technical Data Sheet**

Edition: 30/08/2016

VER : 01 TECH SL

# TECH SL

# 1mm Thick Epoxy Resin Based Flooring System

## **Product Description**

TECH SL is a 4-component solvent free epoxy resin based flooring system applied @ 1 mm thickness.

### Where to Use

As a high build coating or self-levelling

floor topping for:

Automobile & Engineering units

Electronics / electrical / Plastics industry

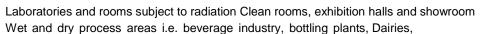
Food processing industry

Chemical / pharmaceutical industry

Textile & paper Industries

Power stations

Schools & Institutions



meat processing plant etc.

Warehouses, logistics, loading bays and ramps Aviation Hangars.

## Characteristics/ **Advantages**

Excellent self levelling properties High mechanical properties

Good abrasion resistance Good chemical resistance

High durability

Coloured & excellent gloss

Solvent free

Easily cleaned & maintained

Waterproof

# Appearance /

### Colour

Part A - resin:-clear, liquid

Part B - hardener: -clear, liquid

Part C – colour paste (EPI): colour as per Jemkon shade

card.(Not supplied in set, to be procured separately)

Part D - filler:- aggregate powder

### **Packaging**

17.120 Kg

# / Shelf Life

Storage Conditions 12 months from date of production if stored in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +5°C and +30°C.



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Chemical Base	Ероху			
Density	Mixed (A+B+C+D):			
	~1.5 to 1.6 g/cc			
Mechanical / Physica				
Properties				
Compressive Strength	60 N/mm <sup>2</sup>			
Flexural Resistance	31 N/mm <sup>2</sup>			
Tensile Resistance	23 N/mm <sup>2</sup>			
Abrasion Resistance	50 mg weight loss (Taber Abraser), 28 days			
Adhesion	>1.5 N/mm <sup>2</sup>			
Shore D Hardness	80			
Application Details				
Consumption / Dosage	Self smoothing topcoat TECH SL ~ 1.5 to 1.6 kg/m2/mm			
	1 set of TECH SL will cover 10 - 11 sqm @ 1mm thickness.			
Substrate Quality	The concrete substrate must be sound and of sufficient compressive			
	Strength (minimum 25 N/mm <sup>2</sup> ) with a minimum pull off strength of			
	1.5 N/mm <sup>2</sup> .			
	The substrate must be free of all contaminants such as oil, grease,			
	coatings and surface treatments etc. If in doubt, apply a test area first.			
Substrate	Concrete substrates must be prepared mechanically using			
Preparation	abrasive blast cleaning or scarifying equipment to remove cement			
	laitance and achieve an open textured surface.			
	Weak concrete must be removed and surface defects such as blow			
	holes and voids must be fully exposed.  Repairs to the substrate, filling of blowholes/voids and surface			
	levelling must be carried out using appropriate Jemkon products.			
	High spots can be removed by grinding.			
	All dust & loose material must be completely removed			
	from all surfaces before application of the product, preferably by brush or vacuum.			
Substrate Temperature	+8°C min. / +40°C max.			



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Mixing Stir Component A first for approx. 15 seconds.

Add component B, and mix for approx. 30 seconds with low speed mixer. While mixing, add simultaneously but slowly (DON'T DUMP!) component C

(colour paste EPI) and Component D (filler) within 30 seconds.

Further mix for 1 minute until the mixture is homogeneous and the pigment is

uniformly dispersed.

**Application Process** 

& Tools

Prior to application, confirm substrate moisture content.

If > 4% moisture content, Jemkon Tuffcem may be applied as a

Temporary Moisture Barrier (TMB) system.

Make sure that a continuous, pore free coat covers the substrate.

Apply TECH SL by brush, roller or trowel.

Recommended

Undercoats & overcoats

Primer: TECH 20 / TECH 24 / TECH MCPU

Screed: TECH 60

Sealer: TECH 24 / TECH 60

Top coat: TECH PU SL / TECH SL / TECH FC / AQUATHANE flooring

series

Cleaning of Tools Clean all tools and application equipment with Jemkon Epoxy

Thinner (ET 901) immediately after use.

### **Potlife**

Temperatures	Time
+25℃	~ 15 minutes

# Waiting Time / Overcoating

	Waiting time		
Substrate temperature	Minimum	Maximum	
+25°C	12 hours	24 hours Light sanding required after maximum time.	

## **Curing Details**

# Applied Product ready for use

	Waiting time		
Substrate temperature	Minimum	Maximum	
+25°C	24 hours	-	



Note: Times are approximate and will be affected by changing Ambient and substrate conditions.

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## Cleaning/ Maintenance

Spillage of any kind should be cleaned quickly.

Use mild detergent & water to clean the coating regularly.

Scrubbing can be done by using soft bristles.

### **Value Base**

All Technical data stated in this Technical Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

# Health and Safety

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

### **Legal Notes**

The information, and, in particular, the recommendations relating to the application and end-use of Jemkon's products, are given in good faith based on Jemkon's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Jemkon's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Jemkon reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Technical Data Sheet for the product concerned, copies of which will be supplied on request.



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