

TECH SLE

Epoxy Self- Levelling Flooring System

PRODUCT DESCRIPTION	TECH SLE is a 4-component solvent free epoxy resin based flooring system applied @ 0.5 mm to 2 mm thickness.
WHERE TO USE	<p>As a high build coating or self-levelling floor topping for:</p> <p>Automobile & Engineering units Electronics / electrical / Plastics industry Food processing industry Chemical / pharmaceutical industry Textile & paper Industries Power stations Schools & Institutions Laboratories and rooms subject to radiation Clean rooms, exhibition halls and showroom Wet and dry process areas i.e. beverage industry, bottling plants, Dairies, meat processing plant etc. Warehouses, logistics, loading bays and ramps Aviation Hangars.</p>
CHARACTERISTICS/ ADVANTAGES	<p>Excellent self levelling properties High mechanical properties Good abrasion resistance Good chemical resistance High durability Coloured & excellent gloss Solvent free Easily cleaned & maintained Waterproof</p>
APPEARANCE/ COLOUR	<p>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</p>
PACKAGING	17.120 Kg
STORAGE/ SHELF LIFE	24 months from date of production if stored in original, unopened and undamaged Sealed packaging, in dry conditions at temperatures between +5°C and +35°C.
CHEMICAL BASE	Epoxy
DENSITY	Mixed (A+B+C+D): ~1.5 g/cc
MECHANICAL/ PHYSICAL PROPERTIES	
ABRASION RESISTANCE	40 mg weight loss (wheel cs 17, 1 kg load, 1000 cycles)
COMPRESSIVE STRENGTH	~ 55 Mpa (Astm D 695)
FLEXURAL RESISTANCE	~ 45 Mpa (Astm D 790)
TENSILE STRENGTH	~ 20 MPa (ASTM D 882)
SHORE HARDNESS D	85
APPLICATION DETAILS	
CONSUMPTION/ DOSAGE	TECH SLE ~ 1.5 kg/m ² / for 1mm thickness.
SUBSTRATE QUALITY	The concrete substrate must be sound and of sufficient compressive Strength (minimum 25 N/mm ²) with a minimum pull off strength of 1.5 N/mm ² . 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.



JEMKON PVT. LTD

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SUBSTRATE PREPARATION Concrete substrates must be prepared mechanically using 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.

SUBSTRATE TEMPERATURE +8°C min. / +35°C max.

MIXING Stir Component A (Resin) first for approx. 15 seconds to remove any settling. Add component C (Color Paste) and slowly without dumping add Component D (Filler) and mix for approx. 2 minutes with low speed mixer until homogenous. Finally add Component B (Hardner) and further mix for 1 to 2 minutes until the mixture is homogeneous and the material is uniformly dispersed. Only mix the required quantity for application as per ratio given on the container.
Over mixing must be avoided to minimise air entrainment.
Use a low speed electric stirrer (300 - 400 rpm) or other suitable equipment.

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 SLE 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 SLE/ Tech FC / Aquathane flooring series

CLEANING OF TOOLS Clean all tools and application equipment with Jemkon's ET 901 Thinner, immediately after use.

CURING DETAILS

POT LIFE	Temperatures	Time
	+25°C	~ 20 minutes

WAITING TIME/ OVERCOATING	Temperatures	Minimum	Maximum
	+25°C	12 Hours	24 Hours
(Optional) Light sanding advised after maximum time.			

APPLIED PRODUCT READY FOR USE	Temperatures	Minimum	Maximum
	+25°C	24 Hours	-

Times are approximate & will be affected by changing ambient & substrate conditions.

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.



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Technical Data Sheet

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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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