

TECH 60

Epoxy Based High Strength Screed

PRODUCT DESCRIPTION	TECH 60 is a three part self-smoothing screed based on epoxy resin. The Product is formulated for application thickness of 0.3-10 mm.
WHERE TO USE	As a self-smoothing for: Levelling layer under epoxy, polyurethane floor coatings/ screeds, tiles, sheet floors, carpet or wooden floors. Levelling or patching concrete surfaces in new work or repairs, particularly in aggressive chemical environments.
CHARACTERISTICS/ ADVANTAGES	Economical Fast and easy application Excellent adhesion to substrate High strength High chemical resistance Good levelling properties Solvent free Seamless
APPEARANCE/ COLOUR	Part A -Resin:- Brown / Grey, Liquid Part B - Hardener: Dark Brown, Liquid Part C- Filler:-Aggregate Powder (Not Supplied In Set, To Be Procured Separately)
PACKAGING	7 & 28 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) : ~ 1.5 to 1.7 g/cc
MECHANICAL/ PHYSICAL PROPERTIES	
ABRASION RESISTANCE	70 mg weight loss (wheel cs 17, 1 kg load, 1000 cycles)
COMPRESSIVE STRENGTH	~ 55 Mpa (Astm D 695)
FLEXURAL RESISTANCE	~ 30 Mpa (Astm D 790)
TENSILE STRENGTH	~ 15 MPa (ASTM D 882)
SHORE HARDNESS D	80
ADHESION	~ 10 Mpa (Astm D 4541)
APPLICATION DETAILS	
CONSUMPTION/ DOSAGE	Self smoothing screed TECH 60 ~ 1.5 to 1.7 kg/m ² / @ 1mm Thickness. (Ratio of Filler can be adjusted as per flowability required)
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.
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.



TECH 60

Epoxy Based High Strength Screed

MIXING	Stir Component A (Resin) first for approx. 15 seconds to remove any settling. Add slowly without dumping Component C (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	Mix TECH 60 & pour on the floor. Spread to the desired thickness using a notched squeegee, trowel or screed bar. Take care to spread newly mixed materials across the transition of previous applied mixes before the surface begins to set. Immediately spike roll the surface to release trapped air.			
RECOMMENDED UNDERCOATS & OVERCOATS	Primer : : TECH 60 /TECH 24 / TECH MCPU Screed : : TECH 60 Sealer : TECH 24 / TECH 60 Top coat : Tech SL / 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		~ 15 minutes	
WAITING TIME/ OVERCOATING	Temperatures		Minimum	Maximum
	+25°C		4 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.			

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.