


2K Aromatic Solvent Based Polyurethane Coating

PRODUCT DESCRIPTION	TECH FC 100 is a two component medium gloss polyurethane topcoat providing outstanding durability and resistance properties particularly used as a Demarcation strip coating for interior applications.
WHERE TO USE	It is recommended for use for demarcation strips for gangways & working areas. <div data-bbox="1129 322 1401 470" data-label="Image">  </div>
CHARACTERISTICS/ ADVANTAGES	Fast dry and hardness development. Excellent appearance with a class A finish. Excellent application characteristic. Very good colour and gloss retention Compatible with wide range of primers. Excellent physical & chemical properties. Resistance to splash & spillage of mild chemicals, acids & alkalis.
APPEARANCE / COLOUR	Part A - Resin : Coloured, Liquid (As Per Jemkon Shade Card) Part B - Hardener : Clear, Liquid
PACKAGING	3 & 60 lt
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	Polyurethane
DENSITY	Mixed: ~1.10 g/cc
MECHANICAL / PHYSICAL PROPERTIES	
IMPACT RESISTANCE	Passes
CHIP RESISTANCE	Excellent
FLEXIBILITY	Passes 1/8" mandrell,
PENCIL HARDNESS	Passes 2H pencil
APPLICATION DETAILS	
CONSUMPTION /DOSAGE	TECH FC 100 ~ 0.33 lt/m ² for 2 coats @ 100 micron. (2 coats recommended)
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.
MIXING	Stir Component A (Resin) and Component B (Hardner) first individually for approx. 15 seconds to remove any settling. Only mix the required quantity for application as per ratio given on the container. Mix for 1 to 2 minutes until the mixture is homogeneous and the material is uniformly dispersed. If reducer solvent is used, add only after both components have been thoroughly mixed. 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	Make sure that a continuous; pore free coat covers the substrate. Apply TECH FC 100 by brush, roller or spray.

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**RECOMMENDED
UNDERCOATS &
OVERCOATS**

Primer : : TECH 20 /TECH 24 / TECH MCPU
Top coat : TECH FC 100 / 200 / 222 / 333

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	~ 30 minutes

**WAITING
TIME/OVERCOATING**

Temperatures	Minimum	Maximum
+25°C	2 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.