

Technical Data Sheet

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VER : 01

TECH 24

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2-Part General Epoxy Primer

Product Description

TECH 24 is two part, low viscosity, general epoxy resin based primer.

Where to Use

For priming & sealer applications for:
concrete substrates,
cement screeds and
epoxy mortars.
For normal to strong
absorbent substrates.
Primer for Jemkon flooring systems.



Characteristics/ Advantages

Low viscosity
Good penetration
Excellent bond strength
Easy application
Short waiting time

Appearance / Colour

Part A - Resin : Clear pale yellow , liquid
Part B - Hardener : brown, liquid

Packaging

7 & 28 kgs

Storage Conditions / Shelf Life

12 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: ~1.08 g/cc

Mechanical / Physical Properties

Compressive Strength

~ 70 N/mm² (14 days / +27°C)

(IS 9162-1979)

Flexural Resistance

~ 45 N/mm² (14 days / +27°C)

(IS 9162-1979)

Adhesion

> 1.5 N/mm² (failure in concrete)

(ISO 4624)



Application Details

Consumption / Dosage TECH 24 ~ 0.1 to 0.2 kg/m² @ 100 – 200 microns respectively

Substrate Quality The concrete substrate must be sound and of sufficient compressive Strength (minimum 25 N/mm²) with a minimum pull off strength of 1.5 N/mm².
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.
The concrete or screed substrate has to be primed or levelled in order to achieve an even surface.
High spots can be removed by grinding.
All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush or vacuum.

Substrate Temperature +8°C min. / +45°C max.

Mixing Prior to mixing, stir part A mechanically. When all of part B has been added to part A, mix continuously for 1 to 2 minutes until a uniform mix has been achieved.
Only mix the required quantity for application as per ratio given on the container.
Over mixing must be avoided to minimise air entrainment.
TECH 24 must be thoroughly mixed using 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. If necessary, apply two priming coats. Apply TECH 24 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 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°C	~ 15 minutes

Waiting Time / Overcoating

Substrate temperature	Waiting time	
	Minimum	Maximum
+25°C	8 hours	24 hours Light sanding required after maximum time.

Curing Details**Applied Product ready for use**

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

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

