

Technical Data Sheet

Edition : 30/08/2016

VER : 01

EPI

EPI

Epoxy Colour Concentrate / Paste For Flooring Systems

Product Description

EPI is a single component epoxy resin based colour concentrate / Paste used for flooring system.

Where to Use

As a colour concentrate / Paste for:
Flooring
Screed Coat
Sealer Coat
Coving applications

Characteristics/ Advantages

Excellent colour retention properties
Easy Mixing
Excellent Flow
Economical

Appearance / Colour

Single component
Coloured, Paste (Colour as per Jemkon Shade card)

Packaging

300, 500 & 1000 gms

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 +30°C.

Chemical Base

Epoxy

Density

Mixed ~ 1.1 to 1.4 g/cc



Application Details

Consumption / Dosage Tech SL set – (300 – 600 gms EPI).
Tech SL 500 set – (500 - 1000 gms EPI)
Tech HB 90 set – (500 - 1000 gms EPI)

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.
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.

Mixing **Top coat:**
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.



Cleaning of Tools

Clean all tools and application equipment with Jemkon Epoxy Thinner (ET 901) immediately after use.

**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.

