

PRODUCT DESCRIPTION

Jemflow 20 is a blend of special rapid setting cements, graded aggregates, polymers and additives. It is supplied as a dry, grey powder which requires only the addition of water to produce a self smoothing, free flowing material.

WHERE TO USE

Jemflow 20 is used in interiors for levelling and smoothing differences in thicknesses from 3 mm to 10 mm on new or existing surfaces, preparing them to receive flooring where a high resistance to loads and traffic is required.

Typical applications would include use in hospitals, restuarants, commerical spaces, institutions and shopping centres.

Some application examples

Underlayment for vinyl sheet, carpet, tiles, wooden flooring, etc.

Levelling concrete slabs and cementitious screeds.

Levelling underfloor cooling/ heating systems.

CHARACTERISTICS/ ADVANTAGES

Jemflow 20 can be applied in thicknesses up to 10 mm per layer without shrinkage or cracking, and develops good compressive and flexural strength as well as resistance to indentation and abrasion. For thicknesses greater than 10 mm (max. 20 mm), it may be necessary to add extra graded sand.

Rapid curing - Rapid curing helps to eliminate the turn around time.

Simple installation- Applicator friendly. Just Pour and spread technique allows large areas of floor to be covered very quickly.

Highly durable- Produces a hard wearing surface, with excellent impact resistance.

Versatile- Can be applied in thicknesses of 3mm to 10mm, using a pump or Manually.

JEMKON PVT. LTD

Plot No. 1, Survey No. 795/2, Opp. Mahindra VehicleGate No 2, Subhashwadi, Nighoje-Talwade Road, Nighoje,Chakan, Dist. Pune-410501, India.

Tel. : 02135 - 202901. info@jemkon.com www.jemkon.com

APPEARANCE / COLOUR Grey fine powder

PACKAGING 25 Kg.

STORAGE / 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 : Rapid setting Cement, Polymer and additives

DRY SOLIDS CONTENT (%) : 100

MIXING RATIO : 21-22 parts water per 100 parts by weight of Jemflow 20

MECHANICAL/ PHYSICAL PROPERTIES

COMPRESSIVE STRENGTH : (N/mm²):- after 28 days: > 28.0

FLEXURAL RESISTANCE : (N/mm²): - after 28 days: > 7.0

SELF-LEVELLING : Yes

DENSITY OF THE MIX 2000
(KG/M³) :

APPLICATION DETAILS

CONSUMPTION Jemflow 20 ~ 1.6 kg/m²/ for 1mm thickness
/DOSAGE

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SUBSTRATE PREPARATION / APPLICATION PROCEDURE

The substrates must be sound, dry, free of dust, loose particles, wax, oils, rust, curing compounds and traces of paint and gypsum. Any laitance or weak layers from cement based surfaces must be removed. Dusty or very porous concrete surfaces must be cleaned then treated with a coat of Jembond ACP 01/ 16.(Dilute 1 part Jembond ACP 01/ 16 with 1 part of water)

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

MIXING

If applying onto ceramic or natural stones, apply a coat of Jembond ACP 01/ 16.(Dilute 1 part Jembond ACP 01/ 16 with 1 part of water) after the surface has been thoroughly cleaned and/or mechanically abraded.

Preparing the mix:

Slowly pour a 25 kg bag of Jemflow 20 into a rust-free bucket containing 5.2-5.5 litres of clean potable grade water and mix with a low speed electric mixer fitted with a suitable mixing paddle to obtain an homogeneous, self-levelling lump free mix.Larger quantities of Jemflow 20 can be prepared in mortar mixers. After allowing to stabilize/ settle for 1-2 minutes, the mix should be re-stirred and is then ready for use.The quantity of Jemflow 20 mixed must be used within 20-30 minutes (at a temperature of +23°C)

APPLICATION PROCESS & TOOLS

Apply Jemflow 20 in a single layer of 3 to 10mm thick with a notched trowel, large rake trowel or a squeegee, keeping the trowel slightly inclined to obtain the desired thickness. Jemflow 20 can also be applied with an automatic pressure pump. Due to its excellent self-levelling characteristic, Jemflow 20 immediately eliminates small imperfections (trowel marks, etc.). If a second layer of Jemflow 20 is required, it is recommended to apply it as soon as the first one is set to light foot traffic (approx. 3 hours at +23°C). Otherwise if the previous layer is completely dry, prime with Jembond ACP 01/ 16.(Dilute 1 part Jembond ACP 01/ 16 with 1 part of water). The levelling layer of Jemflow 20 will be ready to receive ceramic,

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natural stone fixed with adhesives after 12 hours at +23°C and resilient flooring, carpet, after 24 hours at +23°C (time can vary depending on the thickness of the levelling, the room temperature and humidity).

RECOMMENDED UNDERCOATS & OVERCOATS

Do not apply an additional coat of Jemflow 20 when the previous one is completely dry; in this case first prime with Jembond ACP 01/ 16. (Dilute 1 part Jembond ACP 01/ 16 with 1 part of water), after first lightly abrading the surface of the previous layer.

- Do not use Jemflow 20 on metal surfaces.
- Do not use Jemflow 20 when the temperature is below +5°C.
- Do not attempt to apply in large areas when the temperature is above +35°C

CLEANING OF TOOLS

Clean all tools and application equipment with Water, immediately after use.

CURING DETAILS

POT LIFE

Temperatures	Time
from +5°C to +35°C	20 to 30 minutes

SETTING TIME

Temperatures	Minimum	Maximum
+25°C	45 minutes	60 minutes
(Optional) Light sanding advised after maximum time.		

APPLIED PRODUCT READY FOR USE

Temperatures	Minimum	Maximum
+25°C	24 Hours	48 Hours
Times are approximate & will be affected by changing ambient & substrate conditions.		

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**CLEANING/
MAINTENANCE**

Prior to setting, Jemflow 20 can be cleaned and removed from tools and hands with water.

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

Instructions for the safe use of our products can be found on the latest version of the Safety Data Sheet, available from our website www.jemkon.com

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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