

Technical Data Sheet

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JEMSTRONG 100

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Cementitious Repair Material

Product Description JEMSTRONG 100 is a two part cementitious repair material based on special acrylic Polymers & aggregates.

Where to Use As a Repair material in low traffic area for:
Damaged concrete
Potholes, cracks, joints
Levelling layer under epoxy, polyurethane and PMMA floor coatings / screeds, tiles, sheet floors, carpet or wooden floors.



Characteristics/ Advantages Economical
Fast and easy application
Excellent adhesion to substrate
High strength
High chemical resistance
Solvent free
UV stable

Appearance / Colour Part A - Milky White, liquid
Part B - filler:- aggregate powder (supplied in set)

Packaging 25 Kg

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 Acrylic copolymer and special aggregates

Density Mixed : ~ 2 to 2.5 g/cc (depending upon the filler content)



Application Details

Consumption / Dosage

Self smoothing screed ~ 2.0 to 2.5 kg/m²/ @ 1mm thickness

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 can be damp but must be free of standing water and 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. / +35°C max.

Mixing

Prior to mixing, shake Part A briefly until homogenous. Take required quantity of Aggregate as per the ratio in a new container first & add part A as per the Consistency.

Mix using a slow speed electric mixer (300 - 400 rpm) with helical paddle or other suitable equipment.

Application Process & Tools

Mix JEMSTRONG 100 & 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. Allow a minimum 14 hour cure period at 20°C before light traffic.

Recommended Undercoats & overcoats

Primer : JEMRIME 10 / JEMPROOF 91 / 99

Screed / Repair layer : JEMSTRONG 100



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	12 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.

