

PRODUCT DATA SHEET

Sikagard[®]-694 F(I)

MOISTURE INSENSITIVE EPOXY PUTTY FOR UNDERWATER REPAIRS AND DAMP CONDITIONS

DESCRIPTION

Sikagard[®]-694 F(I) is a solvent free epoxy resin based putty. It is a moisture insensitive repair material and can be used on damp substrates and underwater applications.

USES

- Sealing of cracks in both underwater and dry conditions
- Sealing of cracks in concrete, metal and wooden surfaces
- Sealing around drainage outlets/penetrations as a part of waterproofing
- Sealing and fixing of metal or pvc nozzles and injection packers in injection works
- Repair of dams, jetties and breakwater structures for application below the water line
- Repairs of slides, wavepools, etc. in waterparks

CHARACTERISTICS / ADVANTAGES

- Forms excellent bond on damp, dry and underwater surfaces
- Stops the ingress of water
- Excellent resistance to saline environment
- Eliminates corrosion of steel and concrete structures even in marine condition
- Excellent impact resistance
- Excellent mechanical properties

APPROVALS / STANDARDS

Conforms to ASTM C 882

PRODUCT INFORMATION

Chemical Base	Epoxy resin.
Packaging	Part A: 4kg plastic container Part B: 4kg plastic container Part A+B: 8kg Pre-Batched unit x 2 sets
Colour	Part A: white Part B: black Part A+B mixed: grey
Shelf Life	12 months from date of production
Storage Conditions	Store in original unopened, sealed and undamaged packaging, in dry conditions at temperatures between +5°C and +30°C. Protect from direct sunshine.
Density	~1.55 (±0.05) kg/liter (Mixed) All density values at +30°C
Tensile Adhesion Strength	≥ 10 N/mm ² (ASTM C 882)

Ambient Air Temperature	+5°C min. / +45°C max.	
Substrate Temperature	+5°C min. / +45°C max.	
Pot Life	~50 minutes For 100 g mass at 30°C	(FIP 5.1)

SUBSTRATE PREPARATION

All surface must be clean and free from loose particles, laitance, grease, oil, marine growth, etc. The surface should be prepared using the required tools.

MIXING

Mix parts A+B pre-batched components, Part A : Part B = 1 : 1 (by weight) together for at least 3 minutes with a mixing spindle attached to a slow speed electric drill mixer (max. 600 rpm) until the material becomes smooth in consistency and a uniform grey colour. Avoid forming of air bubbles while mixing. Then, pour the whole mix into a clean container and stir again for approx. 1 more minute at low speed (300-600rpm) to keep air entrapment at a minimum. Mix only that quantity which can be used within its potlife.

APPLICATION METHOD / TOOLS

Apply the mixed material using glove-protected hand, spatula or trowel and work well on to the properly prepared substrate. The surface of the applied material can be smoothed by slight rubbing with wet gloves.

CLEANING OF TOOLS

Clean all tools and application equipment with Sika® Colma Cleaner/equivalent compatible solvent immediately after use. Hardened / cured material can only be mechanically removed.

LIMITATIONS

Sikagard®-694 F(I) must be at a temperatures between +10°C and +40°C for application.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) 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 Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika'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. Sika 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 Product Data Sheet for the product concerned, copies of which will be supplied on request.

Sika India Pvt. Ltd.
620, Diamond Harbour Road
Commercial Complex II
Kolkata - 700 034
Tel : +91 33 24472448
Fax : +91 33 23978688
Mail : info.india@in.sika.com



Product Data Sheet
Sikagard®-694 F(I)
April 2020, Version 01.01
020204030010000281