

Sikagard®-694F(I)

Moisture insensitive epoxy putty

Product Description

Sikagard® 694F(I) is a solvent free epoxy resin based putty like material. It has the special property that it is a moisture insensitive repair material

Uses

Sikagard® 694F(I) is recommended for :

- Sealing of cracks both underwater and in dry conditions
- Sealing of cracks for concrete, metal and wooden surfaces
- Protection of concrete, steel, marine structures as protective coating at or below the water line

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
- Good mechanical properties

Product Data

Form

Colours

Part A: white
Part B: black
Part A+B mixed: grey

Packaging

8 kg (A+B) Pre-Batched unit
Part A: 4.00 kg plastic container
Part B: 4.00 kg plastic container

Pot Life

100 g mass (According to FIP 5.1)
~ 50 min at 30°C

Storage

Storage Conditions / Shelf-Life


12 months from date of production if stored properly in original unopened, sealed and undamaged packaging, in dry conditions at temperatures between +5°C and +30°C. Protect from direct sunshine.

Technical Data

Chemical Base

Epoxy resin.



Mixed Density	~ 1.55 kg/l All density values at +27 °C						
Mechanical / Physical Properties							
Compressive Strength	(According to FIP 5.12 and IS 9162-1979)						
	<table> <tr> <th>Curing time</th><th>+30°C</th></tr> <tr> <td>1 day</td><td>>40 N/mm²</td></tr> <tr> <td>3 days</td><td>>50 N/mm²</td></tr> </table>	Curing time	+30°C	1 day	>40 N/mm ²	3 days	>50 N/mm ²
Curing time	+30°C						
1 day	>40 N/mm ²						
3 days	>50 N/mm ²						
	Product cured and tested at temperatures indicated. Test specimen size: 50 * 50 * 50mm						
Application Details							
Substrate Quality	All surface must be clean and free from loose particles, laitance, grease, oil, marine growth, etc.						
Substrate Preparation	The surface should be prepared using the required tools.						
Application Conditions / Limitations							
Substrate Temperature	+5°C min. / +45°C max.						
Ambient Temperature	+5°C min. / +45°C max.						
Material Temperature	Sikagard® 694F(I) must be at a temperatures of between +10°C and +40°C for application.						
Application Instructions							
Mixing	Part A : Part B = 1 : 1 (by weight)						
Mixing Time	 <p>Pre-batched units: Mix parts A+B together for at least 3 minutes with a mixing spindle attached to a slow speed electric drill (max. 600 rpm) until the material becomes smooth in consistency and a uniform grey colour. Avoid aeration while mixing. Then, pour the whole mix into a clean container and stir again for approx. 1 more minute at low speed to keep air entrapment at a minimum. Mix only that quantity which can be used within its potlife.</p>						
Application Method / Tools	Apply the mixed material using glove-protected hand, spatula or trowel and work well on to the property prepared substrate. The surface of the applied material can be smoothened by slight rubbing with wet gloves.						
Cleaning of Tools	Clean all tools and application equipment with Sika® Colma Cleaner immediately after use. Hardened / cured material can only be mechanically removed.						
Value Base	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.						
Health and Safety Information	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 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.
Commercial Complex II
620, Diamond Harbour Road
Kolkata, 700 034, India

Phone +91 33 2447 2448/2449
Telefax +91 33 2468 8688/2665
www.sika.in
info@in.sika.com