

## Sika Top Armatec® -108

### Anti-Corrosive Rebar Coating

<b>Product Description</b>	Cement-based, synthetic modified 2-component coating for corrosion protection.
<b>Uses</b>	<ul style="list-style-type: none"> <li>■ On Steel for protection from corrosion.</li> <li>■ Repair of damage reinforced concrete with corroded reinforcing bars resulting from Carbonization.</li> <li>■ Against the action of Calcium Chlorides and de-icing salts.</li> <li>■ Preventive protection of reinforcing bars in slim reinforced concrete sections and filigree constructions.</li> </ul>
<b>Advantages</b>	<ul style="list-style-type: none"> <li>■ Easy to use.</li> <li>■ Excellent adhesion to steel.</li> <li>■ Good bonding coat for subsequent cement and epoxy-based repair mortar.</li> <li>■ Good barrier effect against water, chlorides and CO<sup>2</sup>.</li> <li>■ Contains corrosion inhibitors.</li> <li>■ Non-flammable.</li> </ul>
<b>Product Data</b>	
<b>Colour</b>	Grey-green
<b>Packaging</b>	Pre-dosed non-returnable packs (A+B) in units of 5 kg.
<b>Storage Condition</b>	Protect Comp. (A) from frost and Comp. (B) from moisture.
<b>Shelf life</b>	12 months in original pack.
<b>Technical Data</b>	
<b>Density</b> (20°C)	Comp. (A) = 1.02 kg/l    Comp. (B) = 1.30 kg/l Comp. (A+B) = 1.9 – 2.0 kg/l (Bulk)
<b>Carbonation Resistance</b>	2 mm Sika Top Armatec® -108 = 20 mm of normal mortar
<b>Bond Strength to Steel</b>	1-2 N/mm <sup>2</sup>
<b>Application Details</b>	
<b>Mixing Ratio</b>	Comp. (A) : Comp. (B) 1: 4 parts by weight. 1: 3 parts by volume.
<b>Substrate</b>	Clean, free from grease and oil, loose concrete and rust particles. <u>Preparation of reinforcing steel:</u> Optimal: sand blasting. Minimum: thorough cleaning with steel brush.
<b>Mixing</b>	Only mix as much material as can be safely applied within the pot lifetime. Fill component (A) (liquid) into a suitable mixing container and add the corresponding quantity of component (B) (powder). Mix together thoroughly for 3 minutes, small amounts by hand and larger amounts using a low-speed electric mixer (max. 250 r.p.m.). Mix in as little air as possible.  The mixed material should have a brushable, barely dripping consistency. If necessary the consistency can be adjusted by adding one of the components and mixing thoroughly.



<b>Application</b>	Apply the first approx. 1 mm thick layer onto the prepared reinforcing steel with a medium-stiff brush. It is unavoidable that Sika Top Armatec® -108 will also be applied onto the surrounding concrete. The second coat is applied in the same way after a waiting time of 2 - 3 hours (at 20°C). Subsequent cement-based mortar repairs can be applied after the same waiting time. The waiting time is approx. 24 hours for synthetic-resin-based mortars. If repairs are to be delayed, the second layer of Sika Top Armatec® -108 to be broadcast with 0.4 - 0.7 mm quartz sand immediately after application and allowed to harden.
<b>Cleaning</b>	Tools and mixing equipment can be cleaned with water, if the material has not hardened. Hardened material must be removed mechanically.
<b>Pot Life</b>	Approx. 30 minutes at 20°C.
<b>Important Notes</b>	<ul style="list-style-type: none"><li>■ Minimum application temperature: 5°C.</li><li>■ Apply at least 2 coats of approx. 1mm thickness each.</li></ul>
<b>Safety Instructions</b>	
<b>Ecology</b>	Do not dispose of into water or soil, but according to local regulations
<b>Transport</b>	Non-hazardous.
<b>Precautions</b>	If Sika Top Armatec® -108 is accidentally splashed into eyes, nose, mouth or throat, flush affected area with plenty of clean, warm water and seek medical attention.
<b>Toxicity</b>	Comp. A + B: Class. 4, under relevant health and safety codes.
<b>Legal notes</b>	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.

