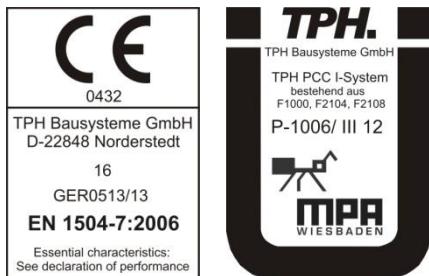


F1100

**CE-marking in accordance with EN 1504-7
General Building Authority Test Certificate
BAST listed**



Properties:

F1100 is a one component, synthetically reinforced primer and corrosion protection based on cement for concrete repair in the range of PCC, according to ZTV-Ing.

F1100 is used as corrosion protection for reinforced concrete where reinforcement is exposed to air and weather. Beside this it can be used as adhesion promoter for connecting old concrete to repair mortar.

F1100 adhere well on steel and concrete and suitable inside and outside.

Technical data:

Substance data:

Consistency	solid, powdery	
Colour	grey	
Odour	hardly noticeable	
Bulk density	0.9 - 1.5 g/cm ³	
Solids content	100 %	
pH-value	11 - 13.5	DIN EN ISO 10523
Processing temperature	5 - 30°C	substrate temperature
Pot-life	approx. 90 min	at 10°C
	approx. 60 min	at 23°C
	approx. 40 min	at 30°C

Processing:

1. Preparation:

The surface has to be free of oil and loose particles and treated by appropriate measurements e.g. shot blasting in order to expose the grain structure. Edges of damaged parts have to be cant of in cant of in 45°. Exposed reinforcement should be de-rusted according to SA 1/2 DIN 55928 part 4.

2. Mixing:

At most 30% water, meaning 7.5 l of water for one bag of 25 kg *F1100*. Water and *F1100* gets mixed in a suitable bucket by means of a slowly rotating electric mixer for at least 3 minutes.

3. Application:**Corrosion protection:**

F1100 gets applied in two single work steps by means of a brush onto the cleaned and de-rusted reinforcement steel. The second layer gets applied after the first is fully dried. Waiting time in between these two steps is at least 3 hours.

Consumption: approx. 2.2-3.7 kg/m² (steel surface)

Bonding course:

The pull off strength of the surface should be in average >1,5 N/mm², but at least 1,0 N/mm².

The surface has to be watered up to saturation. The slurry is worked in by means of a suitable brush into the prepared wet surface.

The following coating with *F1100* must be done fresh in fresh. Dry adhesion promoter must be removed and should be applied again.

Consumption: approx. 0.7-2.2 kg/m²

Safety information:

F1100 contains cement and is classified as hazardous according to Regulation (EC) 1272/2008 (CLP).

It is therefore necessary, before beginning processing, to become familiar with the precautions and safety advice as indicated in the material safety data sheet.

Packaging:

25 kg paper bag
42 x 25 kg per pallet

Storage:

Shelf life at least 12 month in original packaging when stored in dry conditions between 15-25°C, protected from heat, frost and direct sunlight.

After the expiration the use of the product is generally not recommended, unless an approval has been provided by TPH. This approval can only be obtained by the quality assurance department of TPH releasing the material after verification of main properties being within specification.

Disposal:

Small quantities of cured product residues can be disposed of as normal domestic waste. Dispose of not cured product components must be effected in accordance with the corresponding local regulations. For further information please refer to the material safety data sheets.

Test certificates:

General Building Authority Test Certificate for the TPH PCC I-system consisting of *F1100*, *F2104* and *F2108* used as repair concrete or mortar; MPA Wiesbaden 2012

Included in the "List of certified surface protection systems" according to ZTV-ING, part 3, section 4 for *F1100*, *F2104* and *F2108*; Federal Board for Roads (BASt - Bundesanstalt für Straßenwesen) Bergisch-Gladbach 2012

**Legal notice:**

The correct and thus successful application of our products is not subject to our control. A guarantee can be issued for the quality of our products within the framework of our sales and supply conditions, however not for successful processing. All data and specifications in this specification sheet are based on the present state of the art and the right to changes and adaptations for the sake of development remains explicitly reserved. The consumption specifications designated by us can be only average empirical values, where deviations are possible on an individual basis and therefore cannot be excluded by us.

TPH Bausysteme GmbH
Nordportbogen 8
D-22848 Norderstedt

Tel.: +49 (0)40 / 52 90 66 78-0
Fax: +49 (0)40 / 52 90 66 78-78
e-mail info@tph-bausysteme.com
Web www.tph-bausysteme.com

TPH.
Waterproofing Systems