

Technical Data Sheet
Edition 2, 2009
Identification no.
02 03 02 04 005 0 000022
Version no. 0010
SikaTop® 122 HB 25

SikaTop® 122 HB 25

High Build Polymer Patch Repair Mortar

Description	A two component thixotropic, high build polymer modified cementitious mortar which produce a waterproof high strength mortar with enhanced polymeric properties.
Uses	<ul style="list-style-type: none"> ■ Fast repairs to overhead, horizontal or vertical concrete or mortar surface above and below ground level. ■ Filling/repair mortar for void, honeycombed areas etc. ■ Repairs with improved resistance to oils, sewage, chemicals etc.
Advantages	<ul style="list-style-type: none"> ■ Fast and easy to apply to clean, sound substrates in layers up to 40 mm thick. ■ No extra water required. ■ Good early and final strengths. ■ Good resistance to chlorides and carbonation. ■ Improved resistance to oils and chemicals. ■ Not a vapour barrier. ■ Very high "sag" resistance. ■ Compatible with the thermal expansion properties of concrete. ■ Non-corrosive to steel, non-flammable. ■ Non-toxic, suitable for drinking water contact. ■ High coverage.
Consumption	Approx. 1.40 - 1.50 kg/m ² per mm thickness
Instruction for Use	
Surface Preparation	<p>All concrete or mortar substrates must be sound, clean and free from oils, grease or surface contaminants. All loose materials and surface laitance must be removed. For larger areas, grit/ water blasting or scabbling is recommended.</p> <p>Substrate should be saturated surface dry (SSD) with no standing water during application.</p> <p>Take care to remove any cement-slurry or dust produced during surface preparation, the use of a "fan" shaped water jet is deal. Steel reinforcement should be thoroughly prepared to remove all traces of rust prior to priming with two coats of SikaTop – Armatec 110 EpoCem.</p>
Priming (Concrete)	<p>A brush applied coat of SikaTop 121 is recommended prior to be the application of SikaTop 122 HB 25. Always works "wet on wet" on priming coats. SikaTop 121 is used at a rate of 2 – 4 kg/m² as a primer.</p> <p>Priming coats should be applied to a well dampened surface with a stiff brush.</p>
Priming (Reinforcement)	<p>2 coats of SikaTop-Armatec 110 EpoCem should be applied to the prepared steel by brush. The first coat should be allowed to harden (normally 2-4 hours) prior to the second coat application. (See separate data sheet for information on SikaTop-Armatec 110 EpoCem).</p>



Mixing	Shake component A before using. Then pour approx. ½ component A into mixing container. Add component B slowly while mixing. When homogeneous, add the remainder of the component A and remix. Normal mixing time depends on type of mixer used, 2-3 minutes is average, mix as little air as possible, use without delay.
Application	At the time of application the surface must be damp. The mixed mortar must be worked well into the substrate, filling all pores and voids. Compact well. Force material against edge of repair, working towards the centre. For repairs in excess of 40 mm deep apply in layers to ensure previous layers are well keyed and hardened. Finish first layer with a heavy brush stipple to form a key for subsequent layer. The final coat may be steel trowelled if required. SikaTop 122 HB 25 repairs and surrounding areas can be treated with SikaTop Seal 107 and/or Icosit Concrete Cosmetic to provide a water and carbonation resistant finish.
Curing	It is essential to cure applied SikaTop 122 HB 25, in warm or windy weather the use of polythene sheeting or damp hessian is necessary.
Limitations	Minimum thickness : 6 mm Maximum thickness per application : 40 mm
Technical Data	
Colour	Comp. A : White liquid Comp. B : Grey powder Comp. A+B : Concrete grey
Density	Approx. 1.40 kg/ ltr (Mixed Comp. A + B)
Pot Life 25°C	30 minutes
Compressive Strength	
3 days	125 kg/cm ²
7 days	160 kg/cm ²
28 days	235 kg/cm ²
Shelf Life	9 months if stored properly in unopened original container
Storage	Cool, dry, shaded place
Packaging	25 kg set
Handling Precautions:	<ul style="list-style-type: none"> ■ Avoid contact with skin and eyes ■ Wear protective gloves and eye protection during work ■ If skin contact occurs, wash skin thoroughly ■ If in eyes, hold eyes open, flood with warm water and seek medical attention without delay.

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 product 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.

台灣西卡股份有限公司

33849 桃園縣蘆竹鄉富國路三段 1380 號
TEL : 03-352-8622 FAX :03-352-0470
sika@tw.sika.com / www.sika.com.tw

PT. Sika Indonesia
Jl. Raya Cibinong- Bekasi km. 20
Limusunggal- Cileungsi
BOGOR 16820 - Indonesia
Tel. +62 21 8230025
Fax +62 21 8230025
Website : www.sika.co.id
e-mail: sikacare@id.sika.com

Branches

Surabaya :
Puri Niaga Blok G No. 29, Jl. Raya Rungkut Menanggal 11, Surabaya
Tel : 031-8690202 ; Fax : 031-8682123
Medan :
Jl. Pancing / Jl. Willem Iskandar No.75 & 75 A, Kec. Medan Tembung
Tel : 061- 6619500; Fax : (061) 6619400
Batam :
Jl. Laksamana Bintan, Komp. Bumi Riau Makmur Blok E No.3, Sungai Panas
Tel : (0778) 424928; Fax : (0778) 450189

Sika Taiwan Ltd.

No. 1380, Sec. 3, Fu-Kwo Rd., Luchu Hsiang,
Taoyuan County, Taiwan, R.O.C.. (Zip Code:33849)
TEL : +886 3 352 8622 FAX : +886 3 352 0470

