

TECHNICAL DATA SHEET

HIDROSTOP KIT

Cementitious quick-setting mastic



PRODUCT DESCRIPTION	Cementitious quick-setting mastic. Sets in 20 minutes.
Field of use	For making coves on horizontal and vertical surfaces, fixing cracks in concrete and segregation nests on the concrete surface.
Product properties	<ul style="list-style-type: none"> • Fast setting in app. 20 minutes • High early strengths • Chloride free • It sets under water

PRODUCT DATA	
Basic information	
Appearance	Grey powder
Packing	5 kg in carton / 30 kg (6x5 kg) in carton boxes / 1080 kg (36x30 kg) on palette 25 kg in bag (plastificated) / 1200 kg (48 x 25 kg) on palette
Storage and expiration date	12 months from date of production if stored properly in undamaged original sealed packaging in dry and cool conditions. Date of production is printed on packaging.

Technical data		
Type of product	Cementitious polymer modified mortar	
Bulk density of powder	1,39 kg/l	EN 1015-6:1999/A1:2007
Weight of fresh mortar	2,0 kg/l	EN 1015-6:1999/A1:2007
Weight of hardened mortar	1,61 kg/l	EN 12190:2000
Grain size	D _{max} : 1 mm	EN 12192-1:2002
pH	11,9	
Flexural strength	after 1 hour: 3,5 MPa	EN 1015-11:2001/A1:2007
	afetr 7 days: 4,5 MPa	EN 1015-11:2001/A1:2007
Compressive strength	after 1 hour: 10 MPa	EN 12190:2000
	afetr 7 days: 20 MPa	EN 12190:2000
Setting time	begininng: 10 min.	EN 196-3:2005
	finish: 20 min.	EN 196-3:2005
Bond strength on concrete	0,8 MPa	EN 1542:2000

INSTRUCTIONS FOR USE	
Consumption	2 kg for filling of 1 litre volume; approx. 2,5 kg/m for making finishings
Base	Substrate should be clean and free of all oil, grease, wax, latex compounds, curing compounds, dust and all foreign matter.

Base preparation	Flush out the hole or crack with water at high pressure in order to remove all loose particles and dust. Damp the surface with clean water immediately prior to the application of HIDROSTOP KIT.
Mix ratio	app. 0,2-02,5 l of water per 1 kg of dry mixture, app. 1-1,25 l of water per 5 kg of dry mixture, app. 5-6,25 l of water per 25 kg of dry mixture
Mix time	Mix only the amounts of HIDROSTOP KIT that can be applied in 10 minutes. Use a plastic or rubber container, fill with HIDROSTOP KIT as needed, and add water slowly until it has the consistency of cement mortar.
Installation	Cracks, holes, honeycombs etc. should be filled with HIDROSTOP KIT and smoothed out. HIDROSTOP KIT should never be applied on a plane surface as a thin-layer coating. To form a cove at the junction of floor and wall force or tamp HIDROSTOP KIT into place with a round-nosed tool.
Tool	Trowel.
Cleaning of tool	Clean tools immediately after the use before adhesive hardens. Hardened material on tools can only be removed mechanically.
Usage time	approx. 10 minutes

LIMITATIONS

Base temperature +5°C min./ +25°C max.

Air temperature +5°C min./ +25°C max.

Material temperature +5°C min./ +25°C max.

Warnings

- Ideal temperatures for HIDROSTOP KIT are in +15°C - +20°C range. HIDROSTOP KIT takes approx. 10 to five minutes to set, depends on temperature of substrate, relative air humidity and amount quantity of added water, at the temperatures mentioned above.
- Times specified in the technical sheet were measured at the temperature of +23°C and relative air humidity of 50%. With higher temperatures prescribed time can be shortened while prolonged at lower temperatures.
- Protect freshly installed material from freezing, rain and other weather conditions. The material should not be used at (surface, air, material) temperatures lower than +5°C.

Recommendation: Remains of the unhardened/unset material have to be removed in accordance with the legislation.

Data source: All technical data in this technical sheet was obtained by laboratory research. Actual data may differ due to different working conditions.

Local restrictions: Due to specific local regulations the installed product can differ from country to country. For exact instructions for use a country specific technical sheet should be obtained.

SAFETY DATA

Irritating. Contains cement. Irritating to eyes, skin and respiratory tract. Contact with skin may cause hypersensitivity. In case of eye contact wash thoroughly with water at once and consult a doctor. In case of skin contact flood with a lot of water. Keep away from the reach of children. More data on storage, handling and use of mixture can be found in the safety sheet which contains safety, toxicological and ecological data. Warnings on the original packaging should also be considered.

LEGAL BASE

Information and recommendations related to use of KEMA products are presented in good faith and believed to be correct. The later is based on our knowledge and experience with the products. Information is supplied upon the condition that products are stored and used according to the recommendations and the persons receiving the same will make their own determination as to its suitability for their purposes prior to use. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to Information or the product to which information refers. In no event will KEMA be responsible for damages of any nature whatsoever resulting from the use of or reliance upon Information or the product to which Information refers. Nothing contained herein is to be construed as a recommendation to the use any product, process, equipment or formulation in conflict with any patent, and KEMA makes no representation or warranty, expressed or implied that the use thereof will not infringe any patent. All orders fall under current sales and supply conditions. The user should always check the latest technical sheet available upon demand.