

TECHNICAL DATA SHEET

KEMAMIX SPX

Adhesive for gas concrete



PRODUCT DESCRIPTION

Dry, ready-mix cement-based compound of predefined grain sizes of quartz sands and special additives.

Field of use

For adhesion of gas concrete elements, bricks and panels. For indoor and outdoor use, layer thickness ~3 mm.

Product properties

- Easy workability
- High yield
- High strengths
- Water and moisture-resistant
- Frost-resistant
- For outdoor and indoor application

PRODUCT DATA

Basic information

Appearance	Grey powder
Packing	25 kg in bag (plasticated) / 1200 kg (48 x 25 kg) on pallet
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 adhesive	
Weight of fresh mortar	1,56 kg/l (at +20°C)	EN 12190:2000
Bulk density of powder	1,43 kg/l (at +20°C)	
Grain size	D _{max} : 1 mm	EN 12192-1:2002
Layer thickness	approx. 3 mm	
Flexural strength after 28 days	>= 15 MPa	EN 1015-11:2001/A1:2007
Compressive strength after 28 days	>= 5 MPa	EN 1015-11:2001/A1:2007
Tensile adhesion strength after 28 days	>= 0,5 MPa	EN 1015-12:2001
Thermal conductivity	0,67 W/mK	EN 1745:2004
Coefficient paropropustnosti	15/35	EN 1745:2004
pH (at 20°C)	11-13,5	

INSTRUCTIONS FOR USE

Consumption

20 - 25 kg/m³ of gas concrete elements

Base

Surface has to be solid, clean and free of dust, dirt, oil, grease, wax and similar impurities.

Mix ratio

6-6,5 l of water per 25 kg of dry mixture

Mix time

Mix dry mixture with clean water into a homogenous mass of medium plastic consistency without clods. Leave it to rest for few minutes to intumesce and remix it again just before the use. If necessary, add some water. Water must not be added to the adhesive that is already in the binding phase.

Mix tool

Mix adhesive in a clean container using suitable electrical mixer. Free fall mixer should not be used.

Installation	Apply a mortar on a cleaned and slightly moisture surface using a trowel. On fresh mortar apply and fix gas concrete elements.
Tool	Applying KEMAMIX SPX with a trowel.
Cleaning of tool	Clean tools immediately after the use before adhesive hardens. Hardened material on tools can only be removed mechanically.
Usage time	app. 4 hours
Open time	app. 1 hour
Coagulation	
LIMITATIONS	
Base temperature	+5°C min./ +30°C max.
Air temperature	+5°C min./ +30°C max.
Material temperature	+5°C min./ +30°C max.
Warnings	<ul style="list-style-type: none">• Times specified in the technical sheet were measured at the temperature of +23°C and relative air humidity of 50 %. Higher temperatures reduce, while lower temperatures prolong those times.• 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.• Use only recommended amount of water. Use only mixture from undamaged packaging. Do not overdo the layer thickness.
	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.
PROOFS	
Norms/Standards	In accordance with European standards EN 998-2:2004
SAFETY DATA	Irritating. Contains cement. Irritating to eyes, skin and respiratory tract. 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.