

KRAFT GAS CONCRETE MESH MORTAR

DESCRIPTION

It is a cement based ready-mixed adhesive used for fixing aerated concrete, pressed bricks, blocks and pumice blocks produced in various sizes.



TS EN 998-2-Masonry Mortars-Part-2-Masonry Mortar

C= General purpose masonry mortar

PLACES OF USE

- In aerated concrete brick bonding,
- In press brick bonding,
- Pumice block bonding,
Used.

POINTS TO BE AWARE OF

- Since the water absorbency of aerated concrete blocks is high, the adhesive mortar should not be left open for a long time after it is applied on aerated concrete. Otherwise, the adhesive will dry on top and will not provide a good adhesion.
- In order to get better efficiency from aerated concrete adhesive, dust and particles on the block should be swept away and the application should be made **so that the horizontal and vertical surfaces** of the aerated concrete block **are completely covered with adhesive mortar**.
- During the application, wedge (wedge) should never be used between the wall and the beam.
- Aerated concrete is the masonry wall material with the lowest thermal conductivity. Adhesive material has no contribution to thermal conductivity.
- Avoid application under the sun and strong wind. Application must be made when the surface temperature is between +5 °C and +25 °C.
- It is recommended to use protective gloves during applications. For more detailed protective measures, please obtain the material safety data sheet of the product from the manufacturer.

ADVANTAGES

- Single component, easy to prepare and apply.
- Since its water retention capacity is high, pot life and processing time is long.
- It has high binding capacity and does not collapse.
- Bonding mortar is also used for repairing minor damages of aerated concrete walls and elements.

VARLIK MINERAL GEOTHERMAL ENERGY MINING CONSTRUCTION TRADING CO.

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SURFACE PREPARATION

Before the application, aerated concrete, pumice and pressed brick blocks should be checked and if any are wet, they should be allowed to dry. Aerated concrete blocks should be cut to the desired size with an aerated concrete saw before laying the wall. For very porous surfaces and hot weather applications (if the surface temperature is above +25 °C), the surface must be pre-wetted to be moist for the appropriate temperature. This will prevent the adhesive from losing its water fast.

USAGE MANUAL

1 Bag (25 kg) **KRAFT® Gas Concrete Mesh Adhesive** is slowly added into 6-6,5 kg water and mixed for 5 minutes with a 400- 600 rpm mixer until it reaches paste consistency. The mixture is left to rest for 5 minutes, then mixed again and applied to the surface with a suitable trowel. Suitable combing is done. In order for the wall surface to be smooth, the smoothness of horizontal and vertical joints can be ensured by using a rubber hammer. Especially the first row should be very smooth. After the material is pulled to the surface with a trowel and combed, it should be glued according to the air temperature and climatic conditions in which the material is used. In such cases, the adhesive is pressed with a finger and the adhesive surface is checked. If the material gets on the fingers, the bonding process is continued. Otherwise, the bonding process should be terminated and the dried adhesive material should be scraped off the surface and new adhesive should be applied to the surface. All tools and equipment used after the application should be cleaned with water before the mortar dries. The manufacturer's information written on the packaging must be taken into consideration before and during the application. For applying plaster to aerated concrete, pumice block or perforated brick surfaces, see **KRAFT® PLASTER MAX or Ready-mixed plaster**.

EXPENDITURE

Gas Concrete Dimensions	Consumption (kg/m ²)
Flat wall blocks Length: 60 cm, width: 25 cm, thickness: 10 - 35 cm	2 - 5 kg/m ²
Interlocking wall blocks Length: 60 cm, width: 25 cm, thickness: 15 - 35 cm	3 - 5 kg/m ²
U blocks Length: 60 cm, width: 25 cm, thickness: 17.5 - 20 - 25 - 30 cm	2.5 - 4 kg/m ²

TECHNICAL SPECIFICATIONS

Colour	Grey
Material Content	Contains cement, mineral filler and hydraulic lime.
Grain Size (EN 12192-1)	D _{max} : 0.8 mm
Tensile Bond Strength-concrete surface (EN 12004)	Normal Hardening Cementitious Adhesive with Reduced Shear Properties ≥ 0.5 N/mm ⁽²⁾ (28 days normal ageing) ≥ 0.5 N/mm ⁽²⁾ (after water ageing) ≥ 0.5 N/mm ⁽²⁾ (after heat ageing) ≥ 0.5 N/mm ⁽²⁾ (after freeze-thaw cycle) Reaction to Fire Class: A1
Compressive Strength (EN 1015-11)	≥ 5 N/mm ⁽²⁾ (M5)
Chloride Content (EN 1015-17)	< % 0,05



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Water Absorption (EN 1015-18)	< 0.4 kg / (m ² · min ^{0.5})
Water Vapour Permeability (EN 1015-7)	15/35
Thermal conductivity (EN 1745)	< 1.00 W/m.K
Mixing Ratio	25 kg powder + 6-6,5 kg water
Application Thickness	8mm-10mm
Temperature Resistance	-40°C / +100°C
Open Hold Time	≥ 30 minutes
Maturation Time	min. 5 minutes
Container Life	2 hours
Applying plaster to the surface	At least 24 after gluing
Shelf Life	12 months from the date of manufacture under appropriate storage conditions When not in use, the packaging should be tightly closed and the material should be consumed within 1 week at the latest.

The above values are valid at +21 °C and 50% relative humidity.

PACKAGING and STORAGE

CODE	PACKAGING
KR-120	KRAFT® Aerated Concrete Masonry Mortar Grey (25 kg)

Store the material in its unopened packaging in a dry environment, protected from frost. Do not stack pallets on top of each other, especially in long-term storage.

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