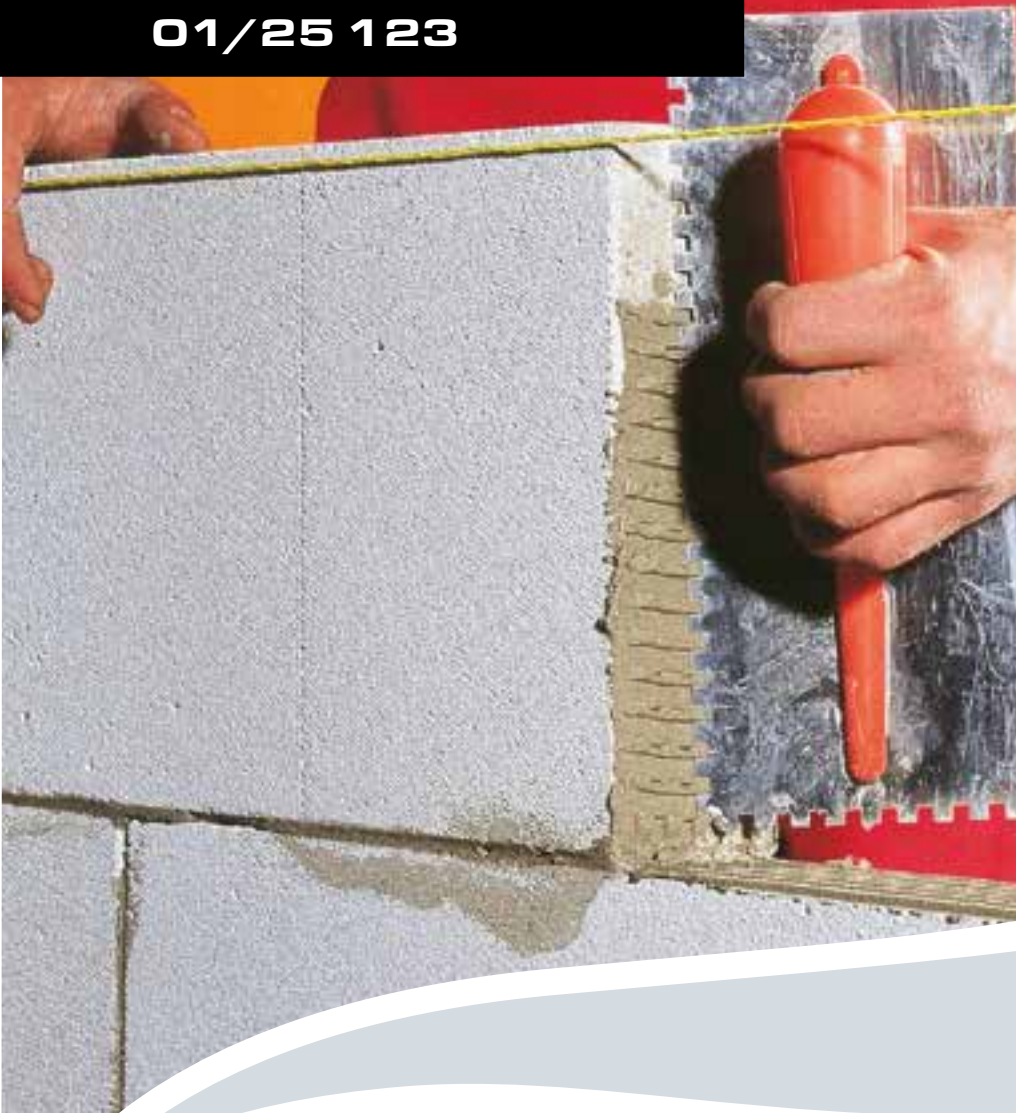


TECHNOKOLLA

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TECHNOCELL

Adhesive mortar for aerated concrete blocks. Suitable for bonding and successive leveling.

**refurbishing
and finishing**



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25±1%



5-35°C

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MAIN FEATURES

Monocomponent
Frost proof
Optimum workability

APPEARANCE

Light grey powder

STORAGE

12 months in unopened pack in dry place

TECHNOCELL is adhesive mortar specifically formulated for assembling aerated concrete walls.

FIELDS OF USE

- Bedding aerated concrete blocks.
- Leveling aerated concrete walls both indoors and outdoors.

SUBSTRATES

Aerated concrete blocks, cement-based plaster, cement-lime mortar.

NATURE OF THE PRODUCT

TECHNOCELL mainly consists of high-strength cements, selected silicon/quartz mineral charges and specific additives.

For further details, ask the technical office for the safety brief or download it from the web site www.technokolla.com.

HOW TO PREPARE THE SUBSTRATES

The blocks must be thoroughly dusted before adhesive is applied.

The surface of the blocks need not be wetted prior to application of TECHNOCELL, but it is advisable if the leveling layer is less than 5 mm thick, especially during hot weather.



HOW TO PREPARE THE MIXTURE

Blend TECHNOCELL with approximately 6.25 l of clean water per bag (25±1%) until mixture is homogeneous and lump-free. It is advisable to use blender at low speed (approx. 500 rpm) as very high speed will reduce the mechanical characteristics of the product. Wait about 5 minutes, then stir the product briefly again and start applying.

APPLICATION AS ADHESIVE

Position the first row of blocks on a bed of TECHNOCELL. Apply with the special serrated trowel (ideal serration spacing is 5-6 mm) and make sure that the entire surface of the block is coated. It is very important to spread the adhesive mortar on the side of the block also. The layer of adhesive mortar that joins the two rows must not be more than 3 mm thick. Once a row of blocks has been formed and after having made sure that the blocks are perfectly aligned, remove excess mortar with a trowel. Small imperfections (chipped blocks or other) can be repaired with TECHNOCELL. Wait at least 24 h after assembly before coating the wall with plaster or other.

APPLICATION AS LEVELING MORTAR

Level the walls with a smooth trowel. Maximum thickness of layer: 5 mm.

It is always advisable to bury fiberglass RASOLASTIK NET in the layer and to overlap the sheets by at least 10 cm. The leveling layer must be thick enough to bury the reinforcing net.

Finish the surface with a sponge trowel.

WARNINGS AND RECOMMENDATIONS

Do not use:

- at temperatures less than 5°C or more than 35°C
- on floors
- do not apply as leveling mortar in layers more than 5 mm thick

CONSUMPTION with 8x8 mm trowel

Block size cm	kg/m ² of wall
50x25x5 - 62.5x25x5	~ 1.3
50x25x7.5 - 62.5x25x7.5	~ 2.0
50x25x10 - 62.5x25x10	~ 2.5
50x25x15 - 62.5x25x15	~ 3.6

CONSUMPTION as leveling mortar

~ 1.3 Kg/m² per mm of thickness

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TECHNICAL DATA	VALUE	STANDARD
Appearance of finished product	light grey powder	
Maximum diameter of aggregate	0.6 mm	
Apparent specific mass of powder	~ 1450 kg/m ³	
Water required for mixing	25% ± 1%	
Apparent specific mass of fresh mortar	~ 1600 kg/m ³	EN 1015-6
Consistency of fresh mortar	~ 155 mm	EN 1015-3
Pot life of fresh mortar	~ 3-4 hours	EN 1015-9
Percentage of chlorides	<0,01%	EN 1015-17

FINAL PERFORMANCE	VALUE	STANDARD
Compressive strength after 28 days	class M5	EN 998-2
Coefficient of water vapour permeability	5/20 (table value)	EN 1015-19
Air content of fresh mortar	~ 20%	EN 1015-7
Water absorption by capillarity	≤ 0.7 kg/ (m ² *min ^{*0.5})	EN 1015-18
Initial shear strength	~ 0.3 N/mm ²	EN 1052-3
Reaction to fire	class A1	EN 13501-1
Thermal conductivity (λ_{10dry})	~ 0.43 W/m*K (table value)	EN 1745

APPLICATION SPECIFICATIONS	VALUE
Minimum thickness allowed	2 mm
Maximum thickness	5 mm
Storage	12 months in unopened pack in dry place
Temperature during application	min. +5°C, max. +35°C
Application	by hand

Technokolla reminds you to examine the “notes” document that completes the information in this data sheet. The document can be downloaded in the pdf format from the website www.technokolla.com.

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