

# KZ 35 ZOCCOLATURA SOLFATORESISTENTE

DATA SHEET

Water-repellent base coat based on special sulphate-resistant binders and air lime for exterior and interior wainscoting.



Interior/Exterior



Sack



By hand



Spray

## Composition

KZ 35 ZOCCOLATURA SOLFATORESISTENTE is a premixed mortar containing sulphate-resistant cement, high specific surface area air lime, graded sands, hydrophobising agent and specific additives to improve workability and adhesion.

## Supply

- special sacks with protection against moisture, approx. 25 kg

## Use

KZ 35 ZOCCOLATURA SOLFATORESISTENTE is used as a base coat plaster in the skirting area of walls made of bricks and concrete blocks etc., even if there are traces of sulphates in the wall. For special underlays you need to follow the instructions of the supplier.

## Substrate preparation

The wall must be free from dust dirt, salt deposits etc.. Any traces of oils, fats, waxes, etc. must be removed beforehand. Smooth concrete surfaces must be dry and previously treated with bonding agents such as SP 22 or S 641, to be chosen according to the case.

Joints of different elements must be reinforced with special, alkali-resistant, fibreglass mesh; the mesh must not be attached directly on the masonry but should be embedded in the surface area of the plaster. To obtain high quality plastering and avoid excessive consumption of material, the brickwork should be carried out with particular care; the joints between the bricks must be filled effectively, any holes or cracks in the wall must be sealed beforehand and door and window frames must not protrude more than a few millimetres. To ensure the walls are plumb, use corner guards or screeds on the corners and vertical guides on the walls.

## Mixing

KZ 35 ZOCCOLATURA SOLFATORESISTENTE is applied by hand or using plaster sprayers, such as FASSA, PFT, PUTZKNECHT, PUTZMEISTER, TURBOSOL and the like. It is applied in one layer only up to thicknesses of 20 mm, spraying from the bottom upwards and then levelled using an H-shaped or blade screed with horizontal and vertical movements so as to ensure a flat surface.

For application by hand, add the product to the corresponding amount of clean water (as specified in the Technical Data) and then mix in cement mixer or, for small quantities, by hand or mechanical stirrer. Maximum mixing time is 3 minutes. After mixing with water, the mortar must be applied within two hours. Surface work on the plaster (with a float or notched trowel etc.) can be carried out from 1.5 to 4 hours after application according to the ambient conditions and the type of surface. For exteriors a plastic or wooden float should be used in order to obtain a uniform and compact surface.

## Warnings

- The fresh render must be protected against frost and quick drying. As the hardening of the plaster depends on the hydraulic setting of the cement, a temperature of +5° C is suggested as a minimum value for application and for obtaining proper hardening of the mortar. Below this value setting would be delayed considerably, and below 0°C the fresh or partially hardened plaster may be broken up by frost.
- During the summer, on surfaces exposed to the sun, the plaster should be wetted for a few days after application.
- For application on particular substrates (wood-cement panels, mesh, certain types of insulating walls etc.) we cannot guarantee results with no cracks. Please contact our Technical Service for advice on the method for limiting such problems. Nevertheless, it is advisable to consult the instructions of the supplier of the substrate.
- For reconstruction work with varying substrates and plaster thicknesses, contact our Technical Service for information on the most appropriate cycle.
- Paint, coverings and wallpaper etc. must only be applied after the plaster has completely dried and cured.
- Aerate the rooms thoroughly after application until the mortar is completely dry, avoiding excessive changes in temperature in the rooms.
- Applying the product to thicknesses over 20 mm will not guarantee the absence of cracks or detachment, even when the substrate is perfectly prepared.

**KZ 35 ZOCCOLATURA SOLFATORESISTENTE it must be used in its original state without the addition of foreign materials.**

## Storage

Keep dry for a period not exceeding 12 months. Once the product has expired, it must be disposed of in accordance with the current legislation.

## Quality

KZ 35 ZOCCOLATURA SOLFATORESISTENTE is subjected to accurate and constant checks in our laboratories. The raw materials used are rigorously selected and controlled.

## Technical Data

|   |  |
|---|--|
| Specific weight                                       | approx. 1,400 kg/m <sup>3</sup>  |
| Minimum thickness                                     | 10 mm  |
| Granulometry  | < 1.5 mm   |
| Mixing water  | 22-24%   |
| Yield   | approx. 15 kg/m <sup>2</sup> with 10 mm thickness  |
| Density of hardened plaster                           | approx. 1,630 kg/m <sup>3</sup>  |
| Compressive strength after 28 days (EN 1015-11)       | approx. 10 N/mm <sup>2</sup> (CSIV: > 6 N/mm <sup>2</sup> )  |
| Modulus of elasticity after 28 days                   | 9,000 N/mm <sup>2</sup>  |
| Water vapour diffusion resistance factor (EN 1015-19) | $\mu \leq 14$ (measured value)   |
| Capillary water absorption coefficient (EN 1015-18)   | W2<br>$c \leq 0.20 \text{ kg/m}^2 \cdot \text{min}^{0.5}$  |
| Thermal conductivity coefficient (EN 1745)            | $\lambda = 0.64 \text{ W/m} \cdot \text{K}$ (tabulated value)  |
| Compliant with standard EN 998-1                      | GP-CSIV-W2   |
| Compliant with standard EN 998-2                      | M10  |
| Recycled/recovered/by-product content                 | The product contains some recycled/recovered/by-product. The relevant declaration is available on request. |

The above information refers to laboratory testing; it is possible that in practical applications on site these may differ considerably according to the conditions in which the material is applied. In any case the user must check that the product is suitable for the intended application, taking all responsibility for its use. Fassa reserves the right to make technical modifications without notice.

Technical specifications regarding the use of Fassa Bortolo products for structural or fire prevention applications will only be officially valid if provided by Fassa Bortolo's "Technical Service" and "Research, Development and Quality System". If necessary, contact Technical Service in your country of reference (IT: [area.tecnica@fassabortolo.com](mailto:area.tecnica@fassabortolo.com), ES: [asistencia.tecnica@fassabortolo.com](mailto:asistencia.tecnica@fassabortolo.com), PT: [assistencia.tecnica@fassabortolo.com](mailto:assistencia.tecnica@fassabortolo.com), FR: [bureau.technique@fassabortolo.fr](mailto:bureau.technique@fassabortolo.fr), UK: [technical.assistance@fassabortolo.com](mailto:technical.assistance@fassabortolo.com)).

Please note that for the aforementioned products, the assessment is required by the appointed professional, in accordance with regulations in force.