



## SP 22

## DATA SHEET

High performance cement undercoat for concrete substrates for exteriors and interiors



Interior/Exterior



Sack



By machine



### Composition

SP 22 is a dry mortar made from Portland cement, graded sands and specific additives to improve workability and adhesion.

### Supply

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

### Use

SP 22 is used as cement-based undercoat on brickwork or concrete substrates on walls and ceilings before applying lime-and-cement-based plasters.

### Substrate preparation

The surface must be free from dust and dirt etc. Any traces of oils, fats, waxes, etc. must be removed beforehand.

### Mixing

SP 22 is applied using plaster sprayers, such as FASSA, PFT, PUTZKNECHT, PUTZMEISTER, TURBOSOL and the like. It is applied in a single layer up to a thickness of 4-5 mm. After mixing with water, the mortar must be applied within two hours.

The plaster must be applied with the previous undercoat layer still fresh and in any case within 3-4 hours of its application, depending on the temperature and humidity conditions.

### Warnings

- Product for professional use.
- Always consult the safety data sheet before use.
- Avoid freezing and quick drying of the fresh grout. Since the hardening of the mortar 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.
- On application, the plaster must be uniform and compact; excessive water could compromise the adhesion of the plaster.

**SP 22 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

SP 22 is subjected to accurate and constant checks in our laboratories. The raw materials used are rigorously selected and controlled.

## Technical Data

Specific gravity of the powder	approx. 1,400 kg/m <sup>3</sup>
Granulometry	< 2 mm
Mixing water	23-25 %
Yield	approx. 3-5 kg/m <sup>2</sup>
Density of hardened mortar	approx. 1,800 kg/m <sup>3</sup>
Compressive strength after 28 days (EN 1015-11)	10 N/mm <sup>2</sup> (CSIV: > 6 N/mm <sup>2</sup> )
Water vapour diffusion resistance factor (EN 1015-19)	$\mu \leq 32$ (measured value)
Capillary water absorption coefficient (EN 1015-18)	W2 $c \leq 0.20 \text{ kg/m}^2 \cdot \text{min}^{0.5}$
Thermal conductivity coefficient (EN 1745)	$\lambda = 0.83 \text{ W/m} \cdot \text{K}$ (tabulated value)
Compliant with standard EN 998-1	GP-CSIV-W2
The performance values listed above are obtained by mixing the product with 24% water in a controlled temperature and humidity environment (20±1°C and 60±5% RH)	

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.