

# FS 412

## DATA SHEET

Primer for silicone resin coating cycles



Exteriors



Plastic containers



Roller



Brush



### Composition

FS 412 is a primer made from acrylic copolymers in aqueous emulsion enriched with special water-based polysiloxanes.

### Supply

- Containers of approx. 16 l

### Use

FS 412 is used as an insulating or stabilising primer on lime-cement plasters and renders before applying the HYDROSILICON SYSTEM finish products, without modifying the breathability of the substrate.

### Substrate preparation

The surface must be dry and free from dust, dirt, etc. Any traces of oil, grease, wax etc. must be removed beforehand. Before applying the FS 412 primer, wait at least 28 days after completion of the surface.

### Application

Dilution of FS 412 by weight with water: one part of FS 412 must be diluted with 1 part of water.  
Apply the product preferably with brush or roller.  
After treating the surface with the primer, wait at least 16 hours before applying paints and coatings.



## Warnings

- Product for professional use.
- Always read the safety datasheet before use.
- Wear protective gloves and garments, and in the event of contact with the skin wash with plenty of water and soap.
- Use water to clean tools.
- The recipient/product must be disposed of in accordance with national laws.
- Use all the material necessary for the work from the same batch.
- Avoid application at temperatures below +5°C or above +30°C and with a relative humidity higher than 75%.
- Avoid application on surfaces exposed to sunlight.
- Only apply FS 412 on cured and dry substrates.
- Incorrect dilution of the material will affect product workability and cause a decline in its technical characteristics.
- The information provided on this technical datasheet is based on our technical and practical knowledge and experience. The technical data refer to the average characteristics of the basic product and are determined under controlled laboratory conditions. The variability of the natural raw materials available on the market can lead to slight deviations in the declared values. It is therefore necessary for the purchaser/user to personally verify, before application, the suitability of the product for the intended use, in particular when different lots of the same material are used in the same job/site (this is however not recommended as per point 6 of these warnings).

**FS 412 must only be used in its original state without the addition of other materials, except for dilution with water.**

## Storage

Protect from frost. If stored in a suitable environment, in its original packaging, the material has a shelf life of 12 months.

## Quality

FS 412 undergoes accurate and continuous checks in our laboratories. The raw materials used are rigorously selected and checked.

## Technical Data

Specific weight (EN ISO 2811-1)	approx. 1 kg/l
Consumption (**)	approx. 100-150 g/m <sup>2</sup>
Yield (**)	approx. 7-9 m <sup>2</sup> /l
(**) The consumption and yield values refer to the product applied on smooth substrates of average absorbance; these should be verified by preliminary tests on the specific substrate.	
ETA European Technical Approval is available for using the product in building external thermal insulation systems.	
BBA Certificate available	
EU limit value of VOC content (Directive 2004/42/EC)	Category A/h, WB: max VOC 30 g/l (January 2010) Maximum VOC content in the product: < 30 g/l

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.technica@fassabortolo.com](mailto:area.technica@fassabortolo.com), ES: [asistencia.technica@fassabortolo.com](mailto:asistencia.technica@fassabortolo.com), PT: [assistencia.technica@fassabortolo.com](mailto:assistencia.technica@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.