

# Accademia Structur

Intermediate mineral silicate paint.



Mod. 51 Rev 64

Last update 25/01/2022

## CHARACTERISTICS:

**ACCADEMIA STRUCTUR** is a structural mineral paint that serves as an intermediate coat in silicate systems, which has excellent filling power. It contains inorganic stabilized potassium silicates, less than 5% of special organic binders that improve the anti-deformation characteristics of the product, mineral aggregates and lightfast inorganic pigments. **ACCADEMIA STRUCTUR** contains special additives that improve physical and mechanical characteristics and guarantee excellent workability. Its composition allows surface unevenness to be smoothed, also making absorbency uniform and improving finishing paint performance.

**ACCADEMIA STRUCTUR** has the following characteristics:

- High permeability to water vapour, typical of mineral-based products.
- High resistance to chemical and atmospheric agents.
- Powerful adherence to surface with chemical processes forming a solid bond.
- High binding power even on paints with organic binders if sufficiently absorbent.
- Alkaline composition gives added protection against mould, fungus, bacteria and algae.
- Mineral composition allows cracks to be filled with excellent resistance to plasterwork surface tension.
- Composition compliant with standard DIN 18363 2.4.6 for mineral and natural products.

## USE:

Thanks to its composition **ACCADEMIA STRUCTUR** can be applied on exterior or interior walls as an intermediate filling and levelling coat on patchy and/or cracked plasterwork, and as a bonding coat on old paintwork even if containing organic binders, if sufficiently absorbent, before final painting with **ACCADEMIA FASSADENFARBE**.

## PREPARATION AND APPLICATION:

Erect scaffolding so as to allow work to continue uninterrupted up to natural boundaries on building. In case of surfaces covered by plastic coatings or synthetic emulsion paints, these should be removed as far as possible to reveal the bare plasterwork. As an alternative, if the old paint is sufficiently porous, **ACCADEMIA STRUCTUR** can be applied. To remove old paintwork or coatings use Festo SAF 750E – Plus or similar electromechanical cleaners, or biodegradable paint strippers, leaving the product a while to take effect. On old surfaces that are in poor condition, chalky and/or uneven, or on old mineral paints, brush thoroughly, scrape and remove any loose parts, then apply a coat of **ACCADEMIA SILIK PRIMER** diluted 2:1 with water to reinforce the surface and render absorbency uniform. Soluble salts in the supporting surface should be suitably neutralized with **ARCADIA® INTONACO**. Rising damp should be treated with **PROTEXIL® RISANANTE**. On new, uniform surfaces remove all traces of dust and dirt, and ensure that the surface is not too damp and that the plasterwork has fully hardened. Apply one coat of **ACCADEMIA STRUCTUR** paint by brush or roller with crossed strokes to the solid, compact and dry surface, diluting 10–20% with **ACCADEMIA SILIK – PRIMER**. Wait 10–12 hours before finishing with **ACCADEMIA FASSADENFARBE**.

## IMPORTANT NOTES:

- Before application, make sure that the substrate is perfectly dry and cured and that it has good adherence. The surface must be clean and free from oil, grease, mould, fungus, bacteria, efflorescence or any other defect that could impair adherence or successful results.
- Do not allow product to freeze (minimum 5°C).
- Store product in a cool, dry place and do not expose to direct sunlight.
- Use product at a temperature of the work environment and treated surface between 8°C and 35°C. Relative humidity must not exceed 75%
- Do not allow drying to take place with temperature of the work environment and treated surface below 5°C.
- Do not apply product if rain is likely or in the presence of strong sunlight, strong winds or persistent fog.
- Protect treated surfaces from rain for the time required to allow product to fully harden.
- Avoid contact with surfaces in glass and aluminum.
- Scaffolding should be erected in a way that allows work to be continued uninterrupted until a natural boundary of the building is reached, to avoid seams, overlaps and differences in shade.

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- When coloured product is to be used, ensure that a sufficient quantity of the same batch of paint is available to complete the entire job, or at least to complete whole sections that will not reveal differences in shade.
- Wash all equipment with water immediately after use.
- The product is highly alkaline and is irritant for the skin and eyes. Avoid contact with the product.
- For all other instructions consult the relative safety information sheet.

## TECHNICAL DATA:

Drying time at 20°C	Touch dry 2 hours In depth 10 - 12 hours
Coverage	2.8 – 4 m <sup>2</sup> / l = 0.25 – 0.35 l / m <sup>2</sup> per coat
Specific weight	1.52 ± 0.05 kg/l
pH	~ 12
Appearance of dry finish	Rough, matt
Grain size	0.4 mm
Product type	Water-based
Package	14 l
Colours	White, I COLORI DEL COLORE collection

### Emission limits of Volatile Organic Compounds (VOC) according to directive 2004/42/CE:

Classification: A/ a) "matt coatings for interior walls and ceilings";

Limit Phase II (from 01/01/ 2010): 30g/l

VOC: 20 g/l (max).

The above information has been obtained from scrupulously controlled tests, and represents our best and most recent knowledge. This information is provided for reference purposes only. It is not binding upon the manufacturer, and neither may it constitute grounds for any kind of complaint whatsoever associated with the use of the products described, also considering that the conditions of use are beyond our control.

Please refer to the relevant Safety Data Sheet.