

# ALPHALOXAN FLEX EXTRA

Elastomeric acrylic-siloxane water-based wall paint, filling for outdoors.



Elastomeric acrylic-siloxane water-based wall paint, filling, opaque, for the protection of thermal insulation systems, cracked surfaces, paints and wall coverings in general



**Technology EBT (Encapsulated Biocide Technology):** guarantees constant and effective protection of the film, increases resistance to washout, allows the surfaces of external facades to resist algae, mold and fungi for longer.

By applying Alphaloxan Flex Extra in a workmanlike manner, following the instructions on this technical data sheet, it is possible to obtain the EBT guarantee, with which resistance to mold, fungi and algae formation is ensured. This guarantee has a duration of 4 years and must be requested from the technical or commercial representatives

## PRODUCT FEATURES

### Composition:

Based on siloxane acrylic resins, selected fillers, ventilated quartz and solid pigments to light and alkalis

### Main properties

- Excellent filling power
- Permeable to water vapor
- Good flexibility (even at low temperatures),
- Good resistance to thermal shock on thermal insulation systems
- Opaque in appearance
- Good protection against the growth of fungi and algae
- Applicable on properly prepared cementitious plasters
- Contains shrinkage cracks up to 0.2mm wide

## TECHNICAL FEATURES

<b>Viscosity:</b>	Brookfield 12000 - 15000 cps at 23 ° C
<b>Density (density): pH:</b>	1.30 ± 0.05 kg / dm <sup>3</sup> 9 - 10
<b>Solid content:</b>	56.3 ± 2% by volume; 68.5 ± 2% by weight
<b>Drying at 23 ° C / 65% RH:</b>	Touch dry: 2 - 4 hours
<b>Overcoating:</b>	After 16 hours
<b>Elongation at break:</b>	225% at 23 ° C
<b>Color:</b>	Only with Akzo Nobel's Acomix tinting system using the bases W05, M15 and N00
<b>Packaging:</b>	15 l
<b>EU limit value for VOC content</b>	Cat. A / c: 40 g / l (2010). This product contains a maximum of 10 g / l of VOC

### Physical values according to EN

<b>13300 Gloss:</b>	G.3 Opaque	≤ 10 GU 85 °; 1 OJ 85 °
<b>Dry film thickness:</b>	AND4	> 200 µm ≤ 400 µm
<b>Particle size:</b>	S.2 Average	<300 µm
<b>Vapor permeability (ISO 7783-2):</b>	V2 Media	Sd = 0.62 m V = 38 g / (m <sup>2</sup> * d) W
<b>Water permeability:</b>	W3 Low	= 0.06 kg / (m <sup>2</sup> * h <sub>0.5</sub> )

Environmental conditions  
for the application

Temperature: 5 - 30 ° C; Relative humidity: max 85% The application of the product carried out in unsuitable atmospheric conditions negatively affects the drying times, compromising the optimal achievement of the aesthetic and performance characteristics. In such cases, wait at least 48 hours between one coat and the next.

Methods and tools

By roller. By brush for profiling and for painting small surfaces. In order to obtain more uniform finishes, especially when applying intense and / or bright colors, after having distributed the paint evenly, orient the rolls by blending upwards.

Dilution

Max. 10% by volume with water.

Surrender

5 - 6 m<sup>2</sup> / l per hand.  
The yield may vary according to the roughness, porosity and absorption characteristics of the substrates and the application system adopted.

Overlay:

Wait at least 16 hours between each coat.

Rainwater resistance

The product completes the drying and polymerization processes within 10 - 15 days in optimal environmental conditions (23 ° C; max. RH 85%). If the product, in this period of time, were to be washed away by rainwater, unsightly drippings with a translucent and sticky appearance could be highlighted. This phenomenon, of a temporary nature, does not affect the qualitative characteristics of the product and can be

Cleaning tools  
storage

easily eliminated by washing or waiting for subsequent rain events.

With water immediately after use.

In tightly closed packs, in a cool and dry place, away from frost and heat sources.

Warnings

Systems that use ALPHALOXAN FLEX EXTRA as a finish must be applied to perfectly dry and cured substrates. We recommend the use of shading sheets to be used on the scaffolding, to protect from the sun's rays and any rains. Operations such as sanding, sandblasting or flame removal, etc., of old paint layers, can generate dangerous dust and / or fumes. Work in well-ventilated areas and necessarily wear suitable personal protective equipment. For more information on the correct disposal, storage and handling of the product, please consult the relevant Safety Data Sheet.

## APPLICATION SYSTEMS

Preparation

### New plasters with civil finish with shrinkage cracks

Wait for <sup>there</sup> total seasoning; accurate brushing; apply as a base coat of ALPHALOXAN PRIMER diluted 50% by volume with water or ALPHALOXAN PRIMER EXTRA in the color corresponding to the finish, diluted up to 50% by volume with a mixture of ALPHATEX SF IMPREGNANT and water (obtained with 1 part of IMPREGNANTE ALPHATEX SF and 2 parts of water), depending on the absorption of the substrate and the application system adopted

### Irregular plasters never painted and with shrinkage cracks:

Thorough brushing; even out the surfaces, after having previously moistened them, using one of the smoothing compounds from the premixed line for professional building, wait at least 10 days to favor total curing, apply a coat of ALPHALOXAN PRIMER diluted 50% by volume with water or ALPHALOXAN PRIMER EXTRA in the color corresponding to the finish, diluted up to 50% by volume with a mixture of ALPHATEX SF IMPREGNANT and water (obtained with 1 part of ALPHATEX SF IMPREGNANT and 2 parts of water), depending on the absorption of the substrate and the application system adopted

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Deteriorated, crumbling plasters with shrinkage lesions Remove and restore damaged parts using mortars and smoothing compounds from the premixed range for professional building; wait for complete seasoning; remove inconsistencies by brushing or hydro-cleaning; wait for drying; apply a coat of ALPHA GROND EXTRA in the color corresponding to the finish, diluted to 25% by volume with DILUENTE PER ALPHA GROND or in the case of severe deterioration conditions only for mineral substrates, apply a coat of FISSATIVO ALPHATEX diluted to 50% by volume with THINNER X

Old organic paints, crumbling well anchored and with shrinkage micro-cracks:  
Remove inconsistencies by brushing or hydro-cleaning; wait for drying; apply a coat of ALPHA GROND EXTRA in the color corresponding to the finish, diluted 25% by volume with DILUENTE PER ALPHA GROND

Old non-adherent organic paints with shrinkage micro-cracks:  
Total removal of existing paint with POLYFILLA PRO S100 paint stripper and subsequent water cleaning; wait for drying; apply a coat of ALPHA GROND EXTRA in the color corresponding to the finish, diluted 25% by volume with DILUENTE PER ALPHA GROND

Old non-adherent organic coatings: Total removal of existing coatings with systems deemed most suitable and subsequent hydro-cleaning; wait for drying; apply a coat of ALPHA GROND EXTRA in the color corresponding to the finish, diluted 25% by volume with DILUENTE PER ALPHA GROND

Old well-adherent organic reversts but crumbling on the surface  
Remove inconsistencies by brushing or hydro-cleaning; wait for drying; apply a coat of ALPHA GROND in the color corresponding to the finish, diluted 30% by volume with DILUENTE PER ALPHA GROND

Old well-anchored ceramic coated organic coatings with micro-cracks  
Remove inconsistencies by brushing or hydro-cleaning; wait for drying; apply a coat of IMPREGNANTE ALPHATEX SF diluted 1: 2 with water with a brush

Old paints or well-anchored coatings, showing various types of cracks (structural, shrinkage, settlement and escape)

- Remove and restore any deteriorated parts of plaster using mortars and smoothing compounds from the premixed range for professional construction; wait for the

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complete seasoning; remove inconsistencies by brushing or hydro-cleaning; wait for drying; open and seal structural and settlement cracks with RISS STOP FUGENPASTE (inserting

preventively in structural cracks a polythene rod); wait at least 48 - 72 hours;

- Perform two skim coatings on the facades concerned with cement-based mortars from the premixed line for professional construction, with the WALLNET network interposed, wait for the total seasoning; apply a coat of ALPHALOXAN PRIMER diluted 50% by volume with water or by ALPHALOXAN PRIMER EXTRA in the color corresponding to the finish, diluted up to 50% by volume with a mixture of ALPHATEX SF IMPREGNANT and water (obtained with 1 part of ALPHATEX SF IMPREGNANT and 2 parts of water), depending on the absorption of the substrate and the application system adopted Or alternatively:
  - Apply a coat of ALPHA GROND diluted to 30% by volume with DILUENTE PER ALPHA GROND; then apply two layers of FONDO PER RASARE with the WALLNET mesh in between

Old mineral coatings that are well adherent and with shrinkage micro-cracks

Remove inconsistencies by brushing or hydro-cleaning; wait for drying; apply a coat of ALPHA GROND EXTRA in the color corresponding to the finish, diluted 25% by volume with DILUENTE PER ALPHA GROND

Reinforced concrete cast on site and prefabricated in good condition but with micro-cracks

Remove any inconsistencies and any release agents by means of hydro-cleaning; apply a coat of ALPHA GROND EXTRA diluted to 25% by volume with DILUENTE PER ALPHA GROND

Surfaces affected by the presence of mosses, molds and lichens

Removal of microorganisms present with water cleaning; wait for drying; apply an undiluted coat of ALPHA DESINFECTOR and wait at least 6 hours before applying the most suitable base coat based on the nature and conservation of the surfaces concerned

**SYSTEM FOR BRILLIANT COLORS**

For particularly bright colors, to avoid problems of uneven coverage, it is recommended to use the following application cycle.

#### New mineral surfaces

Apply by brush a coat of ALPHALOXAN PRIMER EXTRA in the color corresponding to the finish, diluted up to 50% by volume with a mixture of ALPHATEX SF IMPREGNANT and water (obtained with 1 part of ALPHATEX SF IMPREGNANT and 2 parts of water), depending on the absorption of the substrate and of the application system adopted

Old or already painted mineral surfaces Remove inconsistencies by brushing or hydro-cleaning; wait for drying; apply a coat of ALPHA GROND EXTRA in the color corresponding to the finish, diluted 25% by volume with DILUENTE PER ALPHA GROND

#### Finish

- Apply two coats of ALPHALOXAN FLEX EXTRA with an interval of at least 16 hours between one coat and the other

#### Note

All the information contained in this document is purely indicative and contains only some examples of support that do not represent the totality of the situations that in practice could be affected, therefore if it is necessary to intervene on supports not indicated or if further clarifications are necessary, we invite you to contact our Technical Assistance Service. Furthermore, for the correct preparation of the substrates and the application of the products, the rules for state-of-the-art installation apply, as reported in the Sikkens notebook "Preparation of masonry substrates", which we invite you to consult.

## TENDER SPECIFICATIONS

Wording to be included in the tender specifications and estimates

Filling elastomeric acrylic-siloxane water-based wall paint for outdoor wall surfaces (such as ALPHALOXAN FLEX EXTRA)

### TECHNICAL FEATURES Viscosity:

Brookfield 12000 - 15000 cps at 23 ° C

### Density (density): pH:

1.30 ± 0.05 kg / dm<sup>3</sup>

9 - 10

### Solid content:

56.3 ± 2% by volume; 68.5 ± 2% by weight

### Drying at 23 ° C / 65% RH:

Touch dry: 2 - 4 hours

### Overlay:

After 16 hours

### Elongation at break:

225% at 23 ° C

**Coloring:**

Only with Akzo Nobel's Acomix tinting system using the bases W05, M15, N00

**Packaging:**

15 l

**EU limit value for VOC content**

Cat. A / c: 40 g / l (2010). This product contains a maximum of 5 g / l of VOC

**Physical values according to EN 1062**

Appearance of the film:

**Dry film thickness:**

**Particle size:**

**Vapor permeability (ISO 7783-2):**

**Water permeability:**

G.3Opaque

AND4

S2 Medium

V.2Average

W3Low

$\leq 10 \text{ GU } 85^\circ; 1 \text{ OJ } 85^\circ$

$> 200 \mu\text{m} \leq 400 \mu\text{m}$

$< 300 \mu\text{m}$

$\text{Sd} = 0.62 \text{ m} \quad \text{V} = 38 \text{ g} / (\text{m}_2^* \text{ d})$

$\text{W} = 0.06 \text{ kg} / (\text{m}_2^* \text{ h}_{0.5})$

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