

ALPHALOXAN FLEX

Elastomeric acrylic-siloxane water-based wall paint for exteriors.



Water-based elastomeric acrylic-siloxane water-based wall paint for the maintenance 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 in a workmanlike manner, following the instructions given on this technical data sheet, it is possible to obtain the EBT guarantee, with which resistance to the formation of mold, fungi and algae 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 elastomeric acryl-siloxane resins and solid pigments to light and alkalis

Main properties

- Good vapor permeability
- Good flexibility (even at low temperatures), no cracking problems if applied also on mineral and synthetic substrates
- Good resistance to thermal shock
- Semi-opaque in appearance
- Good protection against the growth of fungi and algae
- Good durability over time
- Applicable on thermal insulation systems, cement plasters, reinforced concrete, bricks
- Contains 0.2mm width shrinkage lesions

- Indicated for the encapsulating treatment of asbestos cement surfaces according to the UNI 10686 standard in compliance with the Ministerial Health Decree of 20 August 1999. "Compliant" certificate from the M. Masini Srl Research and Testing Institute of Rho according to the test report n° 427 - 2001.

TECHNICAL FEATURES

Viscosity:	Brookfield 7000 - 9000 cps at 23 ° C
Density (density): pH:	1.47 ± 0.05 kg / dm ³ 8 - 10
Solid content:	54.4 ± 2% by volume; 69.2 ± 2% by weight
Drying at 23 ° C / 65% RH:	Touch dry: 2 - 4 hours
Overcoating:	After 16 hours
Elongation at break:	300% at + 23 ° C; 80% at -10 ° C
Color:	Only with Akzo Nobel's Acomix tinting system using the bases W05, M15 and N00
Packaging:	15 l
EU limit value for VOC content	Cat. A / c: 40 g / l (2010). This product contains a maximum of 10 g / l of VOC

Physical values according to EN

1062 Gloss:	G.3 Opaque	≤ 10 GU 85 °; ca. 5 OJ 85 °
Dry film thickness:	AND ₁	> 100 ≤ 200 μm
Particle size:	S.1 end	<100 μm
Vapor permeability (ISO 7783-2):	V3 Low	Sd = 0.48 m V = 43 g / (m ² * d) W
Water permeability:	W3 Low	= 0.05 kg / (m ² * h _{0.5})

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 hand and the other.

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

Ready to use. If you need to add up to a max. 5% by volume of water.

Surrender

6 - 8 m² / l per coat.
4.5 m² / l per coat for asbestos encapsulation. 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	<p>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, should be washed away by rainwater, it could show up unsightly drippings with a translucent and sticky appearance. This phenomenon, of a temporary nature, does not affect the qualitative characteristics of the product and can be easily eliminated by hydro-washing or by waiting for subsequent rainy events.</p>
Cleaning tools	With water immediately after use.
storage	In tightly closed packs, in a cool and dry place, away from frost and heat sources.
Warnings	<p>Systems that use ALPHALOXAN FLEX 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., 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 disposal, storage and correct handling of the product, please consult the relevant Safety Data Sheet.</p>

APPLICATION SYSTEMS

Preparation	<p><u>New plasters with civil finish with shrinkage cracks</u></p> <p>Wait for ^{there} total seasoning; accurate brushing; apply as a base coat of ALPHALOXAN PRIMER diluted 50% by volume with water.</p> <p><u>Irregular plasters never painted and with shrinkage cracks:</u></p> <p>Thorough brushing; level the surfaces, after having previously moistened them, using one of the smoothing compounds from the premixed line for professional construction, wait at least 10 days to favor total curing, apply a coat of ALPHALOXAN PRIMER diluted 50% by volume with water as a base.</p> <p><u>Deteriorated, crumbling plasters with shrinkage lesions</u> Remove and restore damaged parts using mortars and smoothing compounds from the premixed range for professional construction; wait for complete seasoning; remove inconsistencies by brushing or hydro-cleaning; wait for drying; apply a coat of ALPHA</p>
-------------	---

GROND in the color corresponding to the finish, diluted 30% by volume with DILUENTE PER ALPHA GROND.

Old organic paints, crumbling well anchored and with shrinkage micro-cracks:

Remove and restore damaged parts using mortars and smoothing compounds from the premixed range for professional construction; wait for complete seasoning; 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 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 in the color corresponding to the finish, diluted 30% 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 in the color corresponding to the finish, diluted 30% 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 complete seasoning; remove inconsistencies by brushing or hydro-cleaning; wait for drying; open, consolidate with ALPHA GROND e

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 as an alternative:

- 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 in the color corresponding to the finish, diluted 30% 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 diluted to 30% 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, old or already painted mineral surfaces

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

Finish Apply two coats of ALPHALOXAN FLEX 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 Assovernici Technical Manual "Preserve, Protect, Decorate with paints on the outside" and in the Sikkens notebook. "Preparation of masonry supports", which we invite you to consult.

TENDER SPECIFICATIONS

Wording to be included in the tender specifications and estimates

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

TECHNICAL FEATURES

Viscosity: Brookfield 7000 - 9000 cps at 23 ° C

Density (density): 1.47 ± 0.05 kg / dm³

pH: 8 - 10

Solid content: 54.4 ± 2% by volume; 69.2 ± 2% by weight

Drying at 23 ° C / 65% RH: Touch dry: 2 - 4 hours

Overlay: After 16 hours

Elongation at break: 300% at + 23 ° C; 80% at -10 ° 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 10 g / l of VOC

Physical values according to EN 1062

Appearance of the film:	G.3Opaque	$\leq 10 \text{ GU } 85^\circ$; ca. 5 OJ 85°
Dry film thickness:	AND ₁	$> 100 \leq 200 \mu\text{m}$
Granulometry:	S1 End	$< 100 \mu\text{m}$
Vapor permeability (ISO 7783-2):	V.2Average	$S_d = 0.48 \text{ m}$ $V = 43 \text{ g} / (\text{m}^2 \cdot \text{d})$
Water permeability:	W ₃ Low	$W = 0.05 \text{ kg} / (\text{m}^2 \cdot \text{h}_{0.5})$

The effectiveness of our products and systems is based on years of practical experience and research conducted in our laboratories. We guarantee that the quality of the work carried out with our products meets the eligibility requirements set by Akzo Nobel Coatings SpA, provided that all the instructions given by us are correctly followed and the work has been carried out according to skill and professionalism. In the event that the final result has been negatively influenced by circumstances beyond our control, any and all liability is expressly excluded and declined. The buyer is obliged to check whether the delivered products are suitable for the intended use. We reserve the right to modify the content of this document without prior notice. As soon as a new version of this datasheet is available, it will no longer be valid.

rative Paints
NO)



is based on years of practical experience and research conducted in our laboratories. We guarantee that the quality of the work carried out with our auditors by Akzo Nobel Coatings SpA, provided that all instructions given by us are correctly followed and the work has been lawful. In the event that the final result has been negatively affected by circumstances beyond our control, any and all are declined.

Products delivered are suitable for the intended use. We reserve the right to modify the content of this document without prior notice. this data sheet will be available, this will no longer be valid.