

Alsicolor Carbon X-press

Carbon-fibre reinforced silicon-resin facade paint for extreme weather conditions



AREAS OF APPLICATION

Carbon-fibre reinforced, filling silicone resin paint with hydrobalancing effect for renders and mineral substrates exposed to extreme weather conditions and moisture.

Also particularly suitable for wall-base areas.

Not suitable for use on plasters in mortar group PI a,b.

PRODUCT PROPERTIES

- Can be used in temperatures from +1 °C to +15 °C
- Resistant to air pollutants
- Carbon-fibre reinforced
- Can be pigmented according to alsecco-Creative-Colour-System for silicone resin paints
- Contains special pigments with a photocatalytic effect and a nanostructured pigment/filler package
- Minimal soiling tendency due to Hydrobalance® effect
- Highly water-vapour permeable, highest diffusion current density according to DIN EN 1062
- Finishing against infestation by microorganisms with at least two coats
- Easy to apply with consistent opacity
- Mineral, matt surface
- Non-chalking
- Scrubbable
- Quick drying with sufficient air circulation at a relative humidity less than 95%
- Very high degree of opacity
- Stress-relieved
- Extremely water-repellent, lowest water permeability rating according to DIN EN 1062
- UV-resistant
- Can be chased into fine cracks in render

TECHNICAL DATA

Binder base

Nanohybrid additive

Silicone resin emulsion

Classification in acc. with BFS data sheet 26:	Class A Pigment group 1 (for all colours in the alsecco Creativ-Color-System 2.0 marked with *) Pigment group 2 or 3 (for colours in the alsecco Creativ-Color-System 2.0 not marked with *, classification upon request)
Specific weight	approx. 1,5 g/cm ³
Diffusion-equivalent air-layer thickness	s _d : approx. 0,01 m according to DIN EN ISO 7783 Class V ₁ (high) according to DIN EN 1062
Water permeability	w: approx. 0,03 - 0,05 kg/(m ² h ^{1/2}) according to DIN EN 1062 Class W ₃ (low) according to DIN EN 1062
VOC value	EU limit value for the VOC content of this product (cat. A/h): 40 g/l (2010). This product contains < 10 g/l VOC.

APPLICATION INSTRUCTIONS

Substrate pre-treatment	All substrates must be dry, clean and free of any residue, which can reduce adhesiveness. Prime highly absorbent mineral substrates with Hydro penetrating primer. Reinforce with Hydro penetrating primer if necessary. Pretreat substrates according to the following specifications:
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Substrate	Treatment
Mineral and resin dispersible textured render, weathered	Hydro penetrating primer
Mineral and resin dispersible textured render, in mint condition	None
Mineral undercoat render surfaces, weathered	Hydro penetrating primer
Old coats, chalking	Hydro-Tiefgrund
Chipping, unstable old coats	Remove

Application	Apply at least two coats of Alsicolor Carbon X-press using a brush or roller. 1st coat diluted with a max. of 10 % water. 2nd coat diluted with a max. of 3 % water. For intensive or dark colours we recommend applying a base coat for full coverage in a suitable shade or tinting the top-coat render in line with the colour you want to achieve. Additional coats beyond the regular build-up may be required.
Consumption	approx. 200 - 250 ml per layer per m ² Determine the precise material requirements by means of a trial coating on the

object.

Waiting period	Waiting period until the required succeeding coat approx. 24 - 48 hours depending on temperature and humidity. Even longer in the event of unfavourable weather conditions, e.g. high humidity. The required drying time strongly depends on the temperature, humidity, air movement and sunlight. It can be shorter in the event of favourable drying conditions, in the event of unfavourable conditions, e.g. high humidity, be extended by several days.
Cleaning of tools	In a fresh state with water.

STORAGE

Shelf life in original sealed packaging approx. 3 months when kept cool and protected against frost.

PACKAGING INFORMATION

Color	White and pigmented
Packaging unit	PP bucket approx. 15 l

OTHER INFORMATION

This product is equipped with special active ingredients against fungus and algae formation on the coating. This depot of active ingredients provides long-lasting, yet temporary protection, the duration of which depends on the conditions of the property, e.g. the intensity of the infestation and the moisture load. Permanent prevention of fungal and algae growth is therefore not possible.

Areas affected by algae or fungus must first be cleaned by wet blasting in accordance with the legal regulations. Then wash the surfaces with Fungistad and leave to dry.

If dark colours have been applied, mechanical stress can cause lighter streaks to appear on the surface (writing effect). This is a product-specific characteristic (common to all matt façade paints) and does not have any bearing on the quality and functionality of the product.

If the substrate is dense and cool or if the drying process is delayed due to adverse weather conditions, the effect of moisture (rain, dew, mist) can cause additives to rise to the surface of the coating. The effect is dependent on the intensity of the colour. These additives are water-soluble and are automatically removed with sufficient water, e.g. in the course of further weather. This does not impair the quality of the dried coating.

Information on safety	The information provided in the current safety data sheet applies.
Transportation	Not a hazardous material
Plaster code	M-SF01F silicone resin paints, water soluble, active substances

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The above information is based on many years of experience and tests and is provided by us to the best of our knowledge. Such information applies in addition to our application guidelines. However, we cannot accept any responsibility for the correctness of our recommendations on account of wide variety of substrates and of on-site conditions and applications which are outside our control. Any recommendations provided by our employees and deviating from these documents must be given in writing. We reserve right to make any changes on account of technical progress or building regulations. Your technical advisor will be pleased to provide the relevant product data sheets.



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