

# HERBOXAN QUARTZ



Acrylic-siloxane water-based paint with filler aggregates,  
with **ENCAPSULATED BIOCIDAL TECHNOLOGY**



## USE

Matte finish for all outdoor wall supports.  
Also ideal for thick coatings or old silicate or lime paints.

## PROPERTY

- **Encapsulated Biocide Technology:** guarantees greater protection of the applied finish from microorganisms (fungi, algae, mould, ...) and consequently greater durability and cleanliness of the facades over time.
- Matte appearance.
- High permeability to CO<sub>2</sub> and water vapor.
- Resistant to air pollution.
- Self-cleaning.
- **Compliant with CAM Edilizia requirements** (Ministerial Decree 23 June 2022, n°256)

## CHARACTERISTICS

**Composition:** based on acrylic-siloxane resins in aqueous emulsion, pigments and selected fillers resistant to light and alkalis.

**Density:** approx. 1,620 kg/l

**Physical parameters according to EN 1062:**

▪ <b>Brilliance</b>	G <sub>3</sub> opaque	(≤ 10 GU 85°) (approx.
▪ <b>Thickness</b>	AND <sub>3</sub>	1.5) (> 100 -m and ≤ 200
▪ <b>Granulometry</b>	S <sub>2</sub> medium	-m) (< 300 -m)
▪ <b>Water vapor permeability</b>	V <sub>1</sub> high	S <sub>d</sub> =0.04 m --H <sub>2</sub> O= 90 - 120
▪ <b>Water permeability</b>	W <sub>2</sub> average	- =0.18 kg/(m <sup>2</sup> * h <sub>0.5</sub> )

**EU limit value for VOC content:** Cat. A/c: 40 g/l 2010.

This product contains a maximum of 10 g/l VOC.

**Colors:** white and colors available on colorimetric machine.

**Packaging:** White=Base DU1: 1, 5 and 12.5 l – Base DU2 -DU3: 1 and 12.5 l.

**Conservation:** Store the product in its original packaging, tightly closed and in a dry, cool place, away from frost.

## INSTALLATION

**Application:** by brush and roller. **Dilution:** 10 to 20% by volume with water.

**Conditions of application:** Application and drying must take place in temperature conditions between +5°C and +30°C and with relative humidity lower than 85%

**Theoretical consumption:** approx. 150 - 350 ml/m<sup>2</sup> by hand.

**Practical yield:** 6 – 10 m<sup>2</sup>/l per coat. Yield may vary depending on the roughness, porosity and absorption characteristics of the substrates and the application system used.

**Drying (at 23°C and 50% RH):**

- Repaintable: after approximately 12 hours.
- Fully dried: after about 7 days.

# HERBOXAN QUARTZ

## APPLICATION SYSTEMS

The application system and preparation of the substrates must be evaluated and chosen based on the current state and the conditions to which the substrate itself will be exposed.

**Supports:** the substrates must be healthy, clean, dry and free from saline efflorescence, mold, algae or fungi. They must not be crumbling or have detached parts.

To clean surfaces contaminated by microorganisms use Fungimos.

**Preparation of the supports:** clean the supports and consolidate the crumbling supports. Repair surface defects by applying suitable products from the Polyfilla Pro line.

Do not apply the product on new plaster for at least 4 weeks.

### New mineral surfaces:

- Apply a preliminary coat of Tiefgrund Aqua diluted with water up to 30% by volume or Fassaden Putzfüller diluted up to 20% with a mixture of water + Putzgrund (obtained with 2 parts water and 1 part Putzgrund).

Then apply:

- a first coat of Herboxan Quartz diluted to a maximum of 20% by volume with water.
- a second coat of Herboxan Quartz diluted to a maximum of 10% by volume with water.

**Old mineral surfaces:** clean the substrate thoroughly by high pressure washing; any saline efflorescence, mould, algae or fungi must be removed beforehand and adequately treated with Fungimos.

- Apply a preliminary coat of Tiefgrund Aqua diluted with water at a maximum of 30% by volume.

Then apply:

- a first coat of Herboxan Quartz diluted to a maximum of 20% by volume with water.
- a second coat of Herboxan Quartz diluted to a maximum of 10% by volume with water.

**Surfaces painted with organic products:** clean the substrate thoroughly by high pressure washing; any saline efflorescence, mould, algae or fungi must be removed beforehand and adequately treated with Fungimos.

- Apply a coat of Multigrund SB; in the case of substrates in good condition and not chalking, apply a coat of Fassaden Putzfüller diluted up to 20% with a mixture of water + Putzgrund (obtained with 2 parts water and 1 part Putzgrund).

Then apply:

- a first coat of Herboxan Quartz diluted to a maximum of 20% by volume with water.
- a second coat of Herboxan Quartz diluted to a maximum of 10% by volume with water.

## SYSTEM FOR BRILLIANT COLORS

For particularly bright shades, to avoid problems of uneven coverage, we recommend adopting the following application cycle:

### New mineral surfaces:

- Apply a 3:1:1 mixture with a brush (3 Herboxan Quartz: 1 Tiefgrund Aqua: 1 water. It is recommended to prepare and use the mixture within a few hours).

Then apply:

- A first coat of Herboxan Quartz diluted to a maximum of 20% by volume with water.
- A second coat of Herboxan Quartz diluted to a maximum of 10% by volume with water. **Old**

### or already painted mineral surfaces:

- Apply a first coat of Multigrund SB. Then apply:
  - A first handlike a brush of Herboxan Quartz diluted to a maximum of 20% by volume with water.
  - A second coat of Herboxan Quartz diluted to a maximum of 20% by volume with water.
  - A third coat of Herboxan Quartz diluted to a maximum of 10% by volume with water.

### Recommendations:

- Given the high degree of permeability to water vapor and CO<sub>2</sub>, the application of Herboxan Quartz on reinforced concrete substrates is not recommended.
- It is recommended to apply the product in favourable climatic conditions as indicated, the application of the product carried out in unsuitable conditions negatively influences the drying times compromising the achievement of optimal aesthetic and performance characteristics.
- It is recommended to use shade cloths on the scaffolding to protect from the sun's rays and any rain.

# HERBOXAN QUARTZ

## **STABILITY AND WEATHER RESISTANCE OF THE FILM**

The product takes 8 - 10 days to complete the polymerization process, during this time it is partially sensitive to rainwater which, when hitting the painted surfaces, can partially remove the stabilizing additives giving rise to unsightly drips with a translucent and sticky appearance.

The phenomenon, which is temporary in nature, does not alter the protective qualities and durability of the finish and can be eliminated with a simple power wash or naturally following subsequent rain events.

## **SECURITY INFORMATION**

For information on the correct disposal, storage and handling of the product, please consult the relevant Safety Data Sheet.

All technical information contained herein is indicative. For further information, please consult our Technical Assistance service.

**Herbol** is a trademark of: **AKZO  
NOBEL COATINGS SpA SALES  
OFFICE and**

**ADMINISTRATIVE HEADQUARTERS:**

Via Pietro Nenni, 14

28053 Castelletto Sopra Ticino (NO)

Tel. 0331 916611



[www.herbol.it](http://www.herbol.it)

[customerservice@akzonobel.com](mailto:customerservice@akzonobel.com)

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 work carried out with our products meets the suitability requirements set by Akzo Nobel Coatings SpA, provided that all instructions given by us are correctly followed and the work has been carried out in a skillful and professional manner. In the event that the final result has been adversely affected by circumstances beyond our control, any and all liability is expressly excluded and declined. The purchaser is responsible for checking whether the products delivered are suitable for the intended use. We reserve the right to change the content of this document without prior notice. As soon as a new version of this technical data sheet is available, it will no longer be valid.