

Murosan-Idro

Transparent Silicone Water-Based Repellent

Technical specifications

Murosan-Idro is a transparent water-based repellent formulated with selected hydrophobic resins in water dispersion and special additives. It is used as a breathable water repellent for facades, masonry, aerated concrete, cement and clay roof tiles.

Thanks to its specific chemical formulation, **Murosan-Idro** has a high penetration capacity on all absorbent mineral building materials, forming a transparent hydrophobic layer that does not alter the appearance of treated surfaces.

Murosan-Idro is used to protect vertical or sloped absorbent surfaces such as exposed concrete, cement plasters, visible brick or concrete blocks, and natural or artificial stones from the action of driving rain.

Instructions for use

Murosan-Idro is ready to use.

Stir before application.

Clean the surfaces to be treated: they must be dry, dust-free, uniform, and solid.

Make sure to remove dust, any loose or crumbling parts, release agents and paints.

The surfaces must be completely dry before application.

Avoid foaming and ensure full absorption without pooling.

The surfaces to be treated must be completely dry.

Do not apply in adverse weather conditions that may negatively affect the application, spreading, or drying of the product: impending rain, dew, fog, or frost may wash away or prevent proper adhesion of **Murosan-Idro** to the treated surface.

Apply evenly, ensuring full absorption.

Remove excess product with a cloth during application.

Application

Treat the surfaces with a single coat using a brush, roller, or low-pressure manual spray pump.

Allow complete drying between applications (12 hours) at temperatures between +5°C and +35°C.

Murosan-Idro is not suitable for horizontal surfaces or areas with standing or pressurized water.

Preliminary testing on the surface to be treated is recommended.

Protect the surface from rain for at least 12 hours after application.

Consumption

Theoretical consumption of **Murosan-Idro** is approximately 0.10÷0.30 m²/L.

Always check substrate absorbency and porosity with a preliminary test.

Warnings

Do not apply on hot, damp, or wet substrates as this may negatively affect product performance.

Do not expose to temperatures $>+35^{\circ}\text{C}$.

Store in a cool, dry area in the original closed containers.

The product is stable for up to 12 months in unopened original containers, at temperatures not below $+5^{\circ}\text{C}$.

Do not paint over treated surfaces.

Always perform a preliminary test before use.

If the product is applied in excess and is not fully absorbed by the treated surface, white patches may appear on the substrate, which can be removed with water.

Handle in accordance with standard safety and industrial hygiene practices. Prevent release of the material or its packaging into the environment.

Refer to the Material Safety Data Sheet (MSDS) for detailed handling and safety instructions.

Additional information is provided at the end of this document.

Packaging

4-pack boxes	5L
Buckets	20L

CHEMICAL AND PHYSICAL PROPERTIES

Physical state		Liquid
Colour		Colourless
Smell		Odourless
Closed-cup Flash Point	ASTM D3828-87	Non-flammable
Density (T=20°C)	UNI EN ISO 2811-1	1,05±0,03 Kg/L
Viscosity (Flow time T=20°C, DIN/4 mm cup)	UNI EN ISO 2431	9÷12 seconds*
Full drying time		1-2 hours*

*Values recorded at T=23°C and 50% relative humidity. Results may vary depending on the thickness or amount of product applied, as well as site-specific boundary conditions such as temperature, humidity, ventilation, and substrate absorption.

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