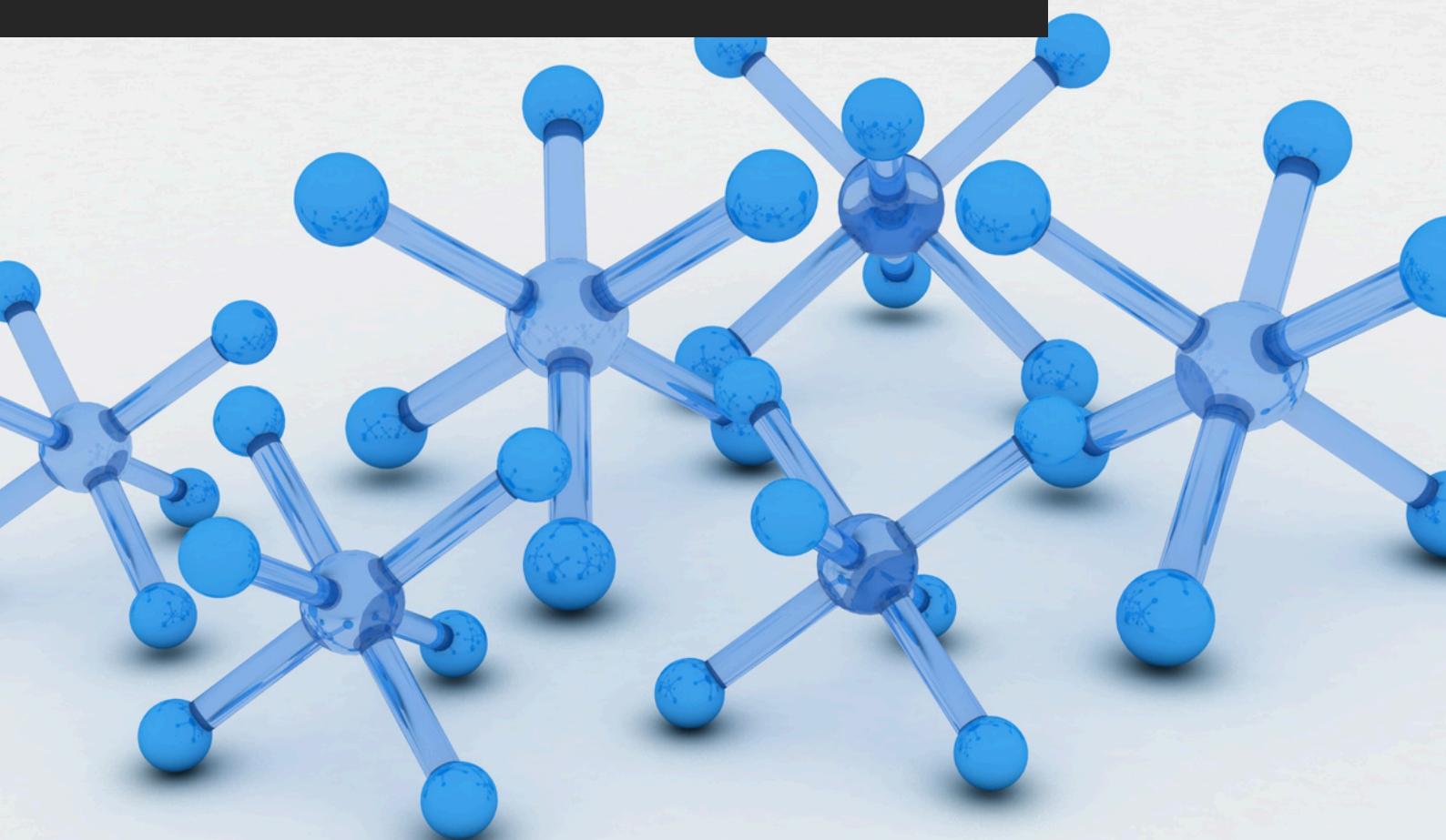


# TDS\_44

## HYDROSTONE VARNISH

TECHNICAL DATA SHEET  
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Hydrostone Varnish\_TDS\_44\_2025\_v1.0\_EN

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# HYDROSTONE VARNISH

Water-based micro-technology varnish for stone impregnation

**Main Features:**

1. Water-based micro-technology system for deep penetration into stone pores.
2. Forms a breathable, non-film-forming protective network inside the surface.
3. Enhances and enriches slightly the natural colour and texture of stone.
4. Excellent resistance to moisture, stains, dirt, and atmospheric pollutants.
5. UV-resistant formula to prevent yellowing and discoloration.
6. Allows moisture vapor transmission to avoid blistering or peeling.

**Applications:**

1. Natural stone: marble, granite, slate, sandstone, limestone.
2. Artificial stone, cultured stone, terrazzo, and decorative concrete.
3. Stone wall cladding and facades.
4. Paving stones and garden architectural elements.
5. Stone joints requiring moisture protection.
6. Fireplaces and interior stone décor.
7. Restoration and protection of aged stone surfaces.

**Technical Specifications & Typical Values**

<b>Binder Type</b>	Acrylic
<b>Colour</b>	Available in clear (varnish) state.
<b>Diluent</b>	Water
<b>Density at 22°C (ISO 2811)</b>	1.05 Kg/L
<b>Solids %w/w</b>	~ 42 % *
<b>VOC (2004/42/EC)</b>	135 g/L – (A/i/SB) One-pack performance coatings - VOC compliant
<b>Dry film thickness (2 coats) (ASTM D6132-13(2017))</b>	11 µm

\*depending on the tinting base

\*\*depending on surface absorption, tinting base & application method

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## Technical Specifications & Typical Values

<b>Method</b>	Paint brush, roller or spray gun
<b>Coverage per coat</b>	8-10 sqm/L**
<b>Recoatibility</b>	4-6 hours
<b>Shelf life</b>	12-24 months
<b>Touch Dry Time at 22°C</b>	20-40 min
<b>Dry Through Time at 22°C</b>	4-6 hours
<b>Ambient air temperature</b>	min. +10°C / max. +40°C
<b>Relative air humidity</b>	55-60 % max.
<b>Curing time</b>	Note: Times are approximate and will be affected by changing ambient and substrate conditions, particularly temperature and relative humidity.

\*Depending on the tinting base

\*\*Depending on surface absorption, tinting base & application method

\*\*\*Drying times are temperature, humidity, and film thickness dependent

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## HYDROSTONE VARNISH preparation:

### Substrate quality & preparation:

1. The substrate must be cured, solid, clean, dry and free of all contaminants such as dust, dirt, oil, grease, surface treatments, etc.

## HYDROSTONE VARNISH preparation:

In general use dilute with water by 10%

In the case of spray gun application, dilute with water by 10%

### Important application remarks:

1. Untreated substrate defects could lead to reflective coating defects and reduced performance.
2. Tool cleaning right after use with soap and water, always following the local HSE rules.

### Packaging:

Metal can of:

**0.75-L**

**2.5-L**

**10-L**

### Storage:

Shelf life: 12-24 months from the date of production, in original unopened packaging in a cool and dry condition between +5°C and +35°C. Protect from direct sunlight, heat, temperature extremes, and moisture. Failure to comply with the recommended storage conditions may result in premature deterioration of the product packaging and which may cause inconsistent workability, finish and cure times of the material.

### Health, Safety & Environment:

Read the product label carefully before use. The Technical Data Sheet should be read in conjunction with the Safety Data Sheet.

TECHNICAL DATA SHEET

# HYDROSTONE VARNISH

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## Paint System

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Contact Akteon Paints for case-by-case recommendations at: [contact@akteonpaints.com](mailto:contact@akteonpaints.com) or visit [www.akteonpaints.com](http://www.akteonpaints.com)

**Disclaimer:** The information contained in this publication is based on our scientific knowledge, laboratory studies and long-term experience. Therefore, the information provided must be considered indicative and subject to constant review in relation to the circumstances and each practical application. This information is for use by technically skilled persons at their own discretion and risk. The user alone has the responsibility to ensure that existing laws and legislation are observed when using the products.