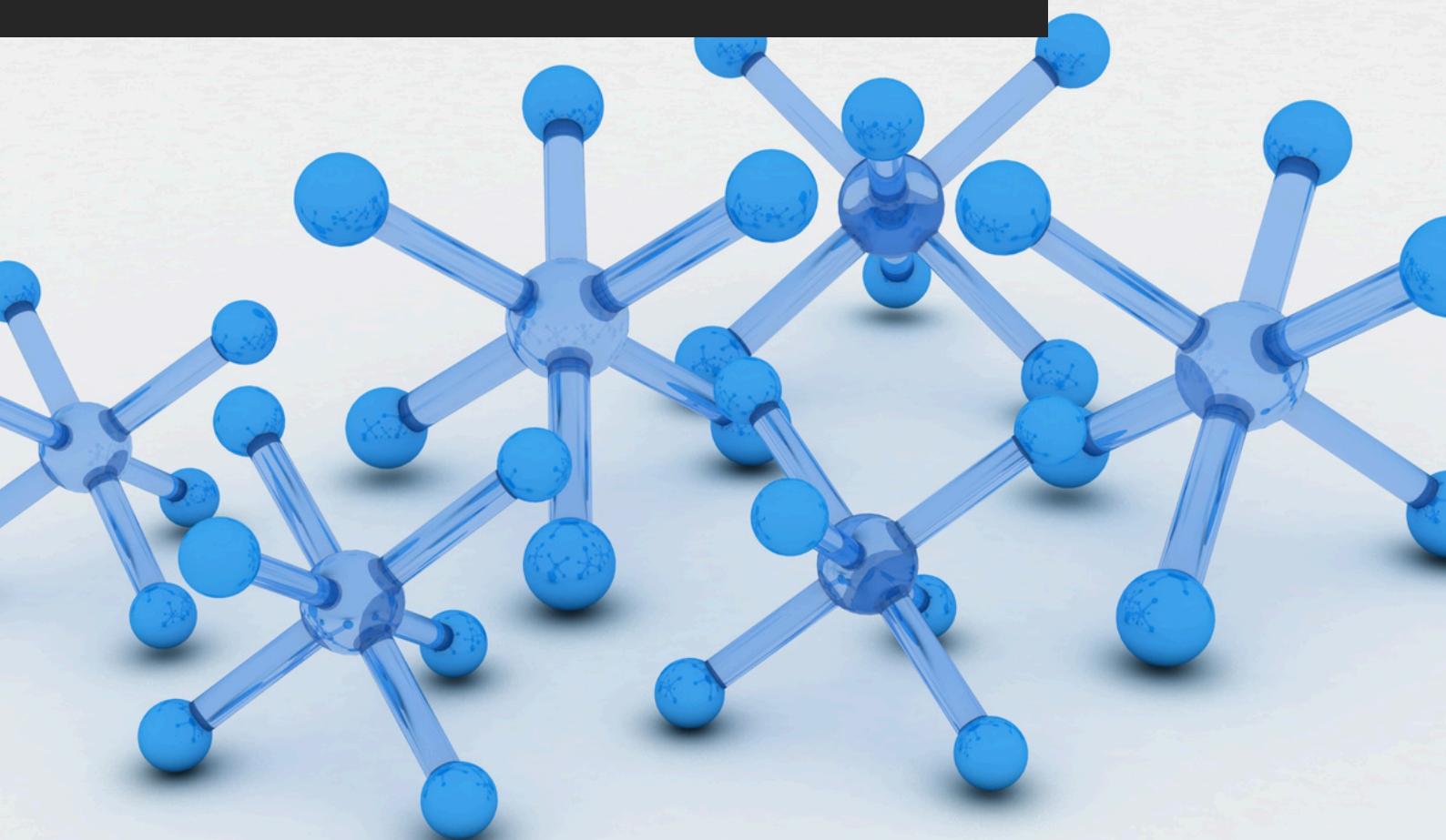


TDS_606

STAN STONE

TECHNICAL DATA SHEET
akteonpaints.com



Stan Stone_TDS_606_2025_v1.0_EN

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For further information:
contact@akteonpaints.com

Kifissias Ave. 44,
Amarousion
+30 210 440 2727

TECHNICAL DATA SHEET

STAN STONE

Solvent-Based Stone Varnish

Main Features:

1. Solvent-based system for deep penetration and strong adhesion.
2. Creates a durable protective film that resists moisture, dirt, and wear.
3. Enhances and highlights the natural colour and texture of the stone.
4. Provides a long-lasting satin finish for elegant appearance.
5. Excellent waterproofing, preventing water absorption and stains.
6. Crystallizes inside stone pores, sealing joints and micro-channels.

Applications:

1. Natural stone.
2. Artificial stone, cultured stone, and decorative concrete.
3. Stone wall claddings and architectural facades.
4. Paving stones, and paths.
5. Exterior stone walls and boundary structures.
6. Indoor decorative stone surfaces and fireplace surrounds.
7. Stone joints needing complete waterproofing.
8. Stone garden elements and outdoor structures.

Technical Specifications & Typical Values

Binder Type	Acrylic
Colour	Clear state available in Matte , Gloss and Satin finish.
Diluent	Nitro Thinner
Density at 22°C (ISO 2811)	0.93 Kg/L
Solids %w/w	~ 22 % *
VOC (2004/42/EC)	597 g/L – (A/i/SB) One-pack performance coatings - VOC compliant
Dry film thickness (2 coats) (ASTM D6132-13(2017))	53 µm
Chemical resistance (ASTM D1308 – 20)	1h – ultra thick bleach – no deterioration detected

*depending on the tinting base

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

STAN STONE

Solvent-Based Stone Varnish

Technical Specifications & Typical Values

Method	Paint brush, roller or spray gun
Coverage per coat	8-10 sqm/L**
Recoatibility	6 hours at 22 °C and 50% RH
Shelf life	12-24 months
Touch Dry Time at 22°C	20-30 min
Dry Through Time at 22°C	24 h
Ambient air temperature	min. +10°C / max. +40°C
Relative air humidity	20 % min. / 55-60 % max.
Dew point	Substrate's temperature must be at least 3°C above the dew point to reduce the risk of condensation.
Substrate moisture content	< 8 % pbw - Oven-dry-method. No rising moisture - Polyethylene-sheet method ASTM D 4263
Curing time	Note: Times are approximate and will be affected by changing ambient and substrate conditions, particularly temperature and relative humidity.
Foot traffic	~ 6-24 h ****

*Depending on the tinting base

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

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

****For the purposes of this technical data sheet, "foot traffic" refers exclusively to light foot traffic, meaning stepping or walking without dragging, rolling, or moving heavy objects. This does not include activities that may exert excessive pressure or cause mechanical damage to the coating during its polymerization process of 7-12 days. To prevent potential damage, avoid placing or moving furniture, equipment, or other heavy items on the surface until the coating has fully cured as specified in the curing guidelines.

TECHNICAL DATA SHEET

STAN STONE

Solvent-Based Stone Varnish

STAN STONE 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.
2. Surface defects such as cracks, blow holes, and voids must be fully exposed and repaired.
3. Uneven substrate should be leveled to produce a roughened flat surface.

STAN STONE preparation:

In general use dilute by 10% with nitro thinner

In the case of spray gun application, dilute by 20% with nitro thinner.

Important application remarks:

1. Untreated substrate defects could lead to reflective coating defects and reduced performance.
2. Substrate washing is not allowed before the application of solvent-based coatings.
3. The substrate's moisture should be less than 8% to avoid coating adhesion failure and film defects. To assure suitable substrate moisture, the ambient temperature must be 22°C for at least 12 days. Higher substrate moisture could result in a lack of coating adhesion and/or blooming.
4. Tool cleaning right after use with nitro thinner, always following the local HSE rules.

Packaging:

Metal can of:

0.75-L

2.5-L

10-L

20-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

STAN STONE

Solvent-Based Stone Varnish

Paint System

Contact Akteon Paints for case-by-case recommendations at: contact@akteonpaints.com or visit 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.