

SILICATO 301

READY-TO-USE SODIUM SILICATE TREATMENT
FOR ABSORBENT SURFACES



DESCRIPTION

SILICATE 301 is a ready-to-use, low-viscosity, single-component liquid concrete DENSIFIER that penetrates deeply by capillary absorption into all absorbent surfaces. Sodium silicates exert consolidating, hydrophobizing and protective action against concrete.

Does not yellow when exposed to UV light.

Free of volatile substances (VOC = 0).

FIELDS OF USE.

SILICATE 301 is particularly suitable for the following applications:

- Dust-proofing and curing treatment of floors inside rooms such as garages, warehouses, basements, etc., and outdoor surfaces such as yards, driveways, courtyards, etc;
- Consolidation and protection of high-intensity floors such as: parking lots, airport hangars, logistics hubs, engineering, canning and manufacturing industries, warehouses, etc.

PACKAGING

25 kg plastic canisters

CONSUMPTION

80-150 g/m²

FEATURES AND BENEFITS

- Up to 30% increase in compressive strength at 28 days;
- Cement treated with SILICATE 301, when polished, shows no tendency to yellow, is resistant to washing, resistant to abrasion and vehicular traffic, and is not sticky so it does not give dirt retention;
- A notable advantage of SILICATE 301 is that it can be applied only 8 hours after the floor is finished;
- With use, the floor permanently self-polishes;
- SILICATE 301 after curing, after proper preparation, can be overcoated with the most common epoxy and polyurethane-based systems in both water and solvent dispersion.

CERTIFICATIONS

ISO 9001 certified quality management system (Certificate No. IT.17.0227.01.QMS).

APSE S.r.l. is an active member of CONPAVIPER.



SUBSTRATE PREPARATION

Surfaces should be flat, clean, free of dust, oil, grease, mud, crumbly parts, paint, and otherwise anything that may harm penetration (absorption).

PRODUCT PREPARATION.

The product is ready to use; it does not require any dilution. Shake before use.

METHOD OF APPLICATION

Apply SILICATE 301 with sprayer or low-pressure spray, evenly, massage with industrial brushes or machines with rotary brushes to help penetration. Important while massaging do not allow any area to dry out, when occurring add more product or redistribute what is present. Spray lightly with clean water, and continue massaging for another 20 minutes. Remove all excess material, avoiding leaving product on the surface.

SILICATE 301 can be applied by brush, roller or spray. Spread evenly by crossing passes and avoid surface stagnation of excess material. SILICATE 301 can be applied as early as 8 hours after the cementitious construction.

CURING

Refer to the table below for drying and curing times (at 20°C).

Dust-free time	30 minutes
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MAINTENANCE

The use of scrubbing machines with high-pressure brushing increases the speed of floor sealing. So does the abundant use of water during scrubbing. Use APSEWASH for cleaning.

CLEANING OF EQUIPMENT

Equipment used for the preparation and application of SILICATE 301 should be cleaned immediately after use with water. After the product has cured, removal can only be done mechanically.

HEALTH AND SAFETY.

For information on safety regulations, hazard statements and precautionary advice, rely on the latest MSDS by making a request to: ufficiotecnico@apsebg.it

STORAGE

Shelf life of 12 months when stored in the original packaging in a dry, moisture-free place. Store at temperatures between +5°C and +35°C. Protect against frost.

DISPOSAL

Dispose of contents and/or container in accordance with local regulations.

PRODUCT TECHNICAL DATA

CHARACTERISTIC	NORMATIVE	RESULT
Appearance	-	Liquid
Available colors	-	Transparent
Dry residue	EN ISO 3251	35 ± 1%
Specific gravity	EN ISO 2811-1	1,20 ± 0,05 g/cm ³
Viscosity	EN 8490	100 cps

The data given above are information obtained from our best technical knowledge, application, and research experience. However, since we are unable to intervene directly in site conditions and work execution, they represent general indications that do not bind APSE S.r.l. in any way. - V&V Group. The information given does not relieve the purchaser of his responsibility to personally test our products as to their suitability with regard to their intended use. The customer is also responsible for verifying that this data sheet is valid for the batch of product of interest to him and is not outdated as superseded by later editions. If in doubt, contact our Technical Department in advance. APSE S.r.l. - V&V Group reserves the right to make technical changes of any kind without prior notice. This revision cancels and supersedes all previous ones, all under the continuous verification of data according to the new current Standards and our ISO 9001 management system. Please be sure to check the most up-to-date version of this Data Sheet on our website: www.apse.it

