PRODUCTS

SINTECNO®

Since 1978

TECHNICAL DATA SHEET

SINSOL 100/200/300

(SINMAST PRODUCT)

1 comp. Colourless sealing layer for stamped flooring and stabilisation of concrete floors in general.

DESCRIPTION

Sinsol (type 100/ 200/ 300) is a one component, ready for use colourless, synthetic emulsion composed of MMA (methyl-meth-acrylic resin) copolymers. The products three version are alternatively used as a sealing layer for stamped flooring, porous substrates and concrete flooring with or without a surface hardener in general. The product cures at ambient temperatures, forming a surface film with a good penetrating ability.

CHARACTERISTICS

- Liquid, colourless.
- Hard, resistant, clear sealing layer for surfaces as above.
- Presents relative flexibility, thus compensating for the expected changes in environmental conditions. Very good resistance to abrasions, due to surface stresses. Resistant to alkalis and heat.
- Sealing layer, mainly for outdoor use, with very good coverage, easily spread up on concrete, simultaneously impregnating the substrate.
- Rapid release of solvents process.
- Sealer coating and anti-dust protection - Reduces the floor's absorbency.
- Depending on the type under consideration 100/200/300, the smaller the code number, the greater the degree of substrate impregnation that is achieved. Conversely, as regards surface film formation, the greater the code number, the greater the sealing layer thickness which resists abrasion and surface stress.

USE

- The Sinsol range products are used as sealing layers for porous substrates, as surface varnishes for stamped flooring stamped and concrete floors with or without surface hardeners in general.
- Simultaneously used as anti-dust layers, i.e. for surface stabilisation against dust.
- Protection for concrete, flooring screeds, fibre reinforced slabs etc.

PACKAGING

Products in 3 kg and 15 kg metal cans, as well as in 180 kg drums.

CONSUMPTION

Consumption is approx. 250–400 gr/ m^2.
It further depends on the Sinsol series type under consideration (100/ 200 or 300), the reference surface, the degree of absorption, the coarseness, the texture, the porosity and state of the substrate, the prevailing on-site conditions, and by the application itself. Therefore for the above reasons, the exact consumption can be better determined on-site after testing.

ADVANCED SYSTEMS & SOLUTIONS FOR THE REPAIR –REINFORCEMENT- PROTECTION OF CONCRETE AND OTHER STRUCTURES
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SUBSTRATE

The application surface must be dry and mature, structurally sound, dry and clean with no friable concrete elements, dust, pollutants, laitance - salinisation, mosses and lichens, old paint or oily - fatty substances (oils, fats, greases residues of curing membranes etc.), without protuberances, but having a relative coarseness. Brittle elements of reduced resistance, rust etc., should be removed by hand or mechanically.

INSTRUCTIONS FOR USE

Shake containers well before use. The surfaces to be covered must be well prepared and free of dust and moisture. Apply with brush, roller or airless spraying (vacuum or conventional equipment or airless spraying device, fitted with an 18/23 nozzle mesh), apply an amount of material sufficient for the completely coverage of the surface being treated. For application by brush or roller, allow the first coat to dry. Next, apply an additional layer, using roller or brush, but allowing a suitable time interval between coats. Layer by layer application guide the material should not "sting" to the touch. Indicative time between coats approx 3-6 hours, depending on the project's prevailing environmental conditions. Generally, apply 1 or 2 coats at the most, depending on the application method and the absorbency.

CLEANING OF TOOLS

Tools should be cleaned immediately after application using Mexyl. Material that has cured and/or hardened can only be removed mechanically.

STORAGE

Containers should be stored in a cool, dry place in the original, sealed packaging, away from sun, moisture and frost. Protect containers against moisture and direct exposure to ultraviolet radiation and heat sources. Storage temperatures: +5 °C to +35 °C.

LIMITATIONS

- Joints and false joints must be filled with suitable sealing material.
- Substrate and ambient temperature: between +5 °C and +35 °C.
- During application the Environmental Maximum Relative Humidity should not exceed < 60%. Take note of the dew point.
- The product should always be applied to dry substrates (maximum permissible surface moisture: < 5%).

Consult the most recent of the Material Safety Data Sheet (MSDS) before application.

PHYSICAL PROPERTIES – TECHNICAL DATA

Physical property	**Reference for Sinsol 100/ 200/ 300**
Product Description:	Liquid, emulsion based on synthetic MMA resin copolymers, with solvents
Appearance:	Colourless liquid
Odour:	Light (of the solvent)
Number of components:	One
Dry to the touch:	After 60–90 minutes following application (+25 °C, RH 50%)
Time interval between coats:	~3-6 h (+25 °C, RH 50%)
System configuration:	All applications in 1-2 coats *(Ensure that porosity has been well sealed after coating)*
Average acidity value:	~6 mg/ KOH
Glass transition temperature (tg):	≥ 63 °C (ASTM D3418-82)
Substrate temperature:	Minimum +5 °C / Maximum +35 °C
Ambient temperature:	Minimum +5 °C / Maximum +35 °C

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* The values given above are indicative based on laboratory tests. As reference, except for special cases, all tests were conducted at ambient temperature (+25 °C). Please consult us or inform us about any unusual application.

SAFETY INDICATIONS - PRECAUTIONS

- Protect the materials against extended exposure to ultraviolet radiation and direct exposure to the sun.
- Read the safety indications listed on the product packaging and/or consult the Material Safety Data Sheet (MSDS) before any application.

Any recommendation on our part regarding the technical application, either oral or written or via tests, is provided based on our knowledge, and in any case is only an indication without any commitment, regarding also any third party rights. Because application, use and processing of the products take place beyond our control, it is the users' responsibility.