

FLOOR SEAL S

CURING COMPOUND WITH ANTI- EVAPORATION AGENT FOR CONCRETE FLOORS

Class B1

ACCORDING WITH
ASTM C 309-11
ASTM C 156

DESCRIPTION

FLOOR SEAL S is a one part (1K), solvent based, clear acrylic resin polymer. Ideal for protection of fresh casted concrete and preventing rapid evaporation of mixing water from fresh concrete surfaces. Protects both fresh and hardened concrete

Ideal for:

- Significant water loss reduction and high moisture retention.
- Reduces capillary cracks that may occur during concrete setting.
- Impregnates and stabilizes absorbent substrates, such as concrete, against dust in depth

- Water-repellency and protection against water penetration.
- Penetrates and stabilizes mainly absorbent surfaces, increasing their resistance to abrasion and wear
- It offers a colorless layer of protection and durability, without leaving any film on the surface.
- Suitable for indoor- outdoor application.
- Easy application by spray, roller or brush

FIELDS OF APPLICATION

The FLOOR SEAL S product is mainly used for:

- Protecting fresh concrete from rapid evaporation of mixing water.
- Hardening of existing brittle floors to increase their abrasion and wear resistance.
- Enhancing the maturation of concrete in order to avoid cracks and dryness.

- Sealing the concrete and avoiding dust.
- Areas that are subject to moisture but with light circulation such as basements, parking lots, warehouses.
- Ideal for large exposed concrete surfaces, such as industrial floors, parking spaces, concrete slabs.

ADVANTAGES-CHARACTERISTICS

- Significant reduction of water loss during the coagulation of concrete and high retention of its moisture.
- Checking the maturation of the concrete.
- Prevents the appearance of moisture.
- Suitable for indoor and outdoor application.

- Excellent adhesion to old and new concrete.
- Resistance to ageing and abrasion.
- Easy to apply with spray or roller or brush.

SUBSTRATE PREPARATION

The substrate must be clean, stable and free of oils and dust.

Fresh concrete: is applied on the surface of the fresh concrete, right after smoothing it out with a power trowel.

Hardened concrete: We remove with a tool any residue from previous applications. The substrate, it should be

properly prepared with mechanical means, (high pressure water jet) in order to be cleaned. Remove excess water and allow the substrate to dry before applying the product.

The substrate temperature must be at least 3°C higher than the atmosphere to avoid the risk of water vapor condensation.

APPLICATION

The material is ready for use. The application of the material is done with a roller, brush, spray sprayer.

On a fresh substrate, it is recommended to apply the material directly by coating or spraying for better penetration until saturation. In this way we ensure the penetration of the material everywhere, speed in the application and economy in consumption. Apply one or more coats, taking care to apply

it evenly. The product must penetrate completely into the substrate, leaving no residue on the surface. The surface will be ready for the application of the second layer with the drying of the first, depending of course on the temperatures of the substrate.

Technical Support Line 800 100 14 14 support@thrakon.gr • www.thrakon.gr



CONSUMPTION

100-200 gr/m² depending on application conditions.

PACKAGING-STORAGE

20kg package. If stored in original, unopened packaging at temperatures ranging from +5°C to +35°C. Protect the product from direct sunlight and frost.

CLEANING TOOLS & MACHINES

Tools should be cleaned immediately after use with water.

Hardened material can only be removed mechanically

NOT RECOMMENDED

- Store the product in frost or heat conditions.
- Applying the product during rain.
- Applying the product outside the recommended temperature range.
- On surfaces worn by water.
- If the concrete surface is to receive further coatings, the material must be removed by mechanical sanding

VOLATILE ORGANIC COMPOUNDS(VOCs)

According to Directive 2004/42/CE (Annex II, table A), the maximum allowed VOC content for the product subcategory h, type SB is 750 g/l (2010) for the ready-to-use product. The ready-to-use product FLOOR SEAL contains a maximum of 750 g/l VOC.

PRECAUTIONS

Protect eyes and skin. In case of contact, rinse immediately with plenty of water. In case of contact with eyes, seek medical advice immediately. Read the information on the label and in its Technical data sheet

product before use. Wear appropriate protective clothing and gloves. The Product Safety sheet is available upon request to professionals.

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TECHNICAL CHARACTERISTICS	UNITS	STANDARD	VALUE
Consistency			Solvent based, clear acrylic resin.
Color			Clear
Density	kg/l		0.9 ±0,03 (at +20 °C)
Solids content	%		22
Curing time and foot traffic	Substrate temperature	Foot traffic	Full cure
	+10 °C	3-4 hours	20-24hours
	+20 °C	2-3 hours	18-20 hours
	+30 °C	2-3 hours	14-16 hours
Waiting time for overlap	Substrate temperature	Waiting time	
	+10 °C	55-60 min	
	+20 °C	20-25 min	
	+30 °C	15-20 min	

Note: The measurements have been made in laboratory temperature environment + 230C, S.Y. 50% and without ventilation. There is a possibility that they will differ depending on the conditions prevailing on the construction site, such as temperature, humidity, ventilation and the absorbcency of the substrate.

Note: Allow each previous coat to dry before applying subsequent coats.

The technical information and instructions contained in the present brochure and referring to the application and end use of Thrakon products are based on the up to now know-how and experience of the Company with regards to the products and are provided in good faith as long as such products are stored, used and applied as per Thrakon recommendations. Due to the inability, on our part, to directly inspect the conditions prevailing at the worksite as well as the application procedures of the product, the Company does not provide any guarantee with regards to the adequacy of its products for specific purpose while the Company shall not bear any legal responsibility based on the information stated in the present brochure or any other written, oral, or otherwise provided recommendations and instructions. The users of the products are advised to perform a limited surface testing of the products adequacy for the eventual application and use intentions. Thrakon reserves the right to modify the features of its products without prior notification. All orders shall be approved only following acceptance of the above and under the eventual Commercial Policy terms of the Company. The issuance of the present brochure voids any prior version.