



# TECHNICAL SHEET



Product name:

**DENAFLUOR S**

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<b>Characteristics:</b>	<b>A hydrophobic and impregnation preparation - hydrophobic impregnation</b>
<b>Description:</b>	It repels water and reduces the absorption capacity of the substrate. It reduces the dirt pickup of the substrate. It does not increase the diffusion resistance of the treated material. It features long duration both in the interior and on the exterior. It does not change the appearance or color of the substrate. It is not rinsed out with cleaning agents and disinfectants. Fit for the impregnation of fresh concrete.
<b>Composition (general):</b>	Polysiloxane-based mixture
<b>Application:</b>	A hydrophobic and impregnation preparation intended for hydrophobic treatment of absorbent construction materials. The suitable substrates include plasters, concretes, bricks, natural stone, clay and concrete roofing's, cement-bonded particle and fiber-cement materials and others.
<b>Shades:</b>	It is made as a transparent varnish.

<b>Properties:</b>	<b>Paint:</b>
<b>Density (g/cm<sup>3</sup>):</b>	1.00
<b>Volume solids ONL (%):</b>	40
<b>Weight solids (%):</b>	40
<b>VOC (volatile organic compounds) (kg/kg):</b>	does not contain
<b>0.006 TOC (total organic carbon content) (kg/kg):</b>	does not contain
<b>Maximum permissible value of VOC content (g/l):</b>	30
<b>Max. VOC content in the product in the ready-to-use condition (g/l):</b>	does not contain them
<b>Water-thinnable paint category:</b>	A/h - penetration coatings
<b>pH (at 20 °C)</b>	5-8
<b>Appearance/color:</b>	Liquid with milk turbidity
<b>Viscosity/Flow time (s):</b>	F4=12
<b>Miscibility:</b>	Miscible with water
<b>Conductivity:</b>	Not applicable
<b>Depth penetration class I. (mm):</b>	< 10; (5.1mm)
<b>Water absorption and resistance to alkalis - absorption ratio without alkalis:</b>	< 7.5 %; (7.3 %)
<b>in an alkali solution:</b>	< 10 %; (8.9 %)
<b>Drying rate coefficient - class I. (m):</b>	> 30 %; (69%)
<b>Resistance to temperature cycling - adhesion (MPa):</b>	> 1.5 *
<b>Consistency by tearing test (b):</b>	>1.5 (1.0) *

<b>Substrate preparation:</b>	The substrate must be dry, free from any mechanical and greasy impurities. For new concretes, protruding cement grout and incoherent surface layers must be removed. Cleaning of the substrate using pressure water and subsequent drying is recommended.
<b>Application conditions:</b>	The temperature for coating and drying of the substrate must not fall below +10 °C. The product must not be applied on the exterior if the weather is not certain, before rain or in the direct sun in summer months.
<b>Thinning:</b>	Before application, thin with water at a weight ratio of 1:4; before thinning, the concentrate must be thoroughly mixed.
<b>Recommended method of application:</b>	Using a paint brush or a paint roller
<b>Recommended coating system:</b>	DENAFLUOR S + DENASIL; DENAFLUOR S + DENAPOX B; DENAFLUOR S + FLEXIDEN 35 DENAFLUOR S + EPOXIDEN B

\*) - tested as a part of coating systems



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<b>Application data:</b>	To be applied to the substrate, best with a paint brush or a paint roller in two or more layers. The second and subsequent layers should be applied prior to the complete drying of the previous layer (wet into wet). All material must soak into the substrate, it must not run down the walls or form any puddles on horizontal substrates.
<b>Spreading capacity and recommended thickness:</b>	The indicative spreading capacity of the concentrate is 0.06 - 0.18 kg/m <sup>2</sup> at the optimum thickness of 50 µm. The consumption depends on the type of the treated substrate, its absorptive capacity and roughness.
<b>Packaging:</b>	Packages of 1 kg, 3 kg.
<b>Storage:</b>	Store in original and well-closed containers in cool, dry and well-ventilated areas at a temperature from +5 to 25 °C. Protect from freeze. Keep the mixture separated from drinks, foodstuff, feedstuff and medicine. Store away from the reach of children. Use within 12 months from the date of manufacture. The product must not freeze.
<b>Disposal of packaging and waste:</b>	Dispose of the contents/packaging with the product remains in accordance with the local applicable legislation; pass them to the authority authorized to dispose of hazardous waste or put them in place designated for the disposal of hazardous waste by the municipality. Used, properly cleaned containers may be recycled.
<b>Safety and hygiene:</b>	When handling the product, observe the instructions provided in the safety data sheet. Observe the principles of personal hygiene. If on the skin, wash the affected areas with soap and water. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If swallowed, rinse mouth with water, do not induce vomiting and get medical attention.
<b>Legislation, certificates, attestations, other tested parameters:</b>	<div style="border: 1px solid black; padding: 10px; text-align: center;"> <b>1020</b> <b>13</b> <b>EN 1504-2</b></div>

\*) - tested as a part of coating systems

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