



Hydrobloc SD 730

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Multi-Silicate based Concrete Densifier

Product Description:

Hydrobloc SD 730 is a water-based penetrating surface treatment formulated with lithium / Sodium silicate. It penetrates into concrete, cementitious screeds, plaster and masonry substrates, where it reacts with free calcium hydroxide to form additional calcium silicate hydrate (C-S-H). This reaction increases surface density, hardness and durability. HYDROBLOC SD 730 is designed for weak and dusty concrete surfaces, roof screed strengthening, substrate preparation before waterproofing systems, fair-faced concrete conditioning and reduction of dusting and water absorption. It is not a film-forming coating and becomes an integral part of the substrate without significantly changing the surface appearance.

Key Features & Benefits:

HYDROBLOC SD 730 provides deep penetrating densification, improves surface hardness, reduces dusting and chalking, lowers water absorption, improves abrasion resistance and enhances substrate cohesion. It also improves adhesion of subsequent coatings, reduces permeability, remains breathable, is VOC-free, easy to apply and suitable for interior and exterior use.

Areas Of Application:

HYDROBLOC SD 730 is suitable for weak or dusty concrete surfaces, carbonated concrete, aged RCC structures, precast concrete elements, dusty roof screeds, cement-sand screeds, weak protection screeds, fair-faced concrete, cement plaster facades, architectural concrete, industrial floors, warehouse floors, parking decks and service areas. It is also recommended before acrylic waterproofing coatings, cementitious waterproofing systems, epoxy primers, elastomeric coatings, silane/siloxane sealers and protective coating systems.

Surface Preparation:

The substrate must be structurally sound, dry, clean and free from standing water, dust, oil, grease, contaminants, curing compounds, sealers, loose materials, paints and membrane residues. Loose particles, laitance and friable materials should be removed by mechanical brushing, grinding, vacuum cleaning or high-pressure water cleaning followed by drying.

Mixing Instructions:

HYDROBLOC SD 730 is supplied as a ready-to-use liquid. No mixing is required before application. Stir lightly if needed before use.



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Application Guidelines:

Apply HYDROBLOC SD 730 uniformly using a low-pressure sprayer, roller, soft broom or microfiber applicator. Maintain a wet surface appearance for 20–30 minutes. Apply additional material if the substrate absorbs the material quickly. Allow the product to penetrate into the surface. Avoid puddles and excessive accumulation. After absorption is complete, remove excess material using a squeegee, damp mop or microfiber cloth. Do not allow excessive material to dry as a surface film.

Do not apply on frozen substrates, during rain, on painted or sealed surfaces, or where ponding may occur. HYDROBLOC SD 730 is not intended as a standalone waterproofing system.

Coverage/ Consumption:

Substrate Type	Coverage
Dense Concrete	5.4–9.0 m ² /kg
Standard Concrete	3.6–7.2 m ² /kg
Dusty or Porous Concrete	2.7–4.5 m ² /kg
Weak Roof Screeds	2.7–4.5 m ² /kg

Actual consumption should be determined by site trials and depends on substrate porosity and condition.

Curing & Protection:

Condition	Time
Surface Dry	2–4 Hours
Light Foot Traffic	4–8 Hours
Overcoating	24 Hours
Full Chemical Reaction	7–28 Days

For weak roof screeds, apply HYDROBLOC SD 730 at 2.7–4.5 m²/kg, allow minimum 24 hours reaction time, then apply HYDROBLOC UniPrime or specified primer before proceeding with the HYDROBLOC waterproofing system. Minimum overcoating interval is 24 hours at 25°C.

Packaging:

HYDROBLOC SD 730 is available in:

- 6 kg
- 25 kg



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Storage & Shelf life:

Store in original unopened containers. Protect from freezing, direct sunlight and excessive heat.

Recommended storage temperature: 5°C – 35°C.

Shelf life: 12 months in unopened original containers.

Health & Safety:

HYDROBLOC SD 730 is alkaline in nature. Avoid contact with eyes, skin and food products.

Use appropriate PPE including gloves, eye protection and suitable work clothing. Refer to the Safety Data Sheet before use.

Technical Data:

Property	Typical Value
Appearance	Clear Liquid
Colour	Colourless
Specific Gravity	1.10 – 1.15
pH	11.0 – 12.5
Solids Content	Approx. 30–32%
VOC Content	Nil
Solubility	Completely miscible in water
Application Temperature	+5°C to +40°C
Surface Hardness Improvement	15–35%
Abrasion Resistance Improvement	25–50%
Water Absorption Reduction	35–60%
Dusting Reduction	Up to 90%
Surface Cohesion Improvement	20–40%
Pull-Off Strength Improvement	15–30%
Chloride Ingress Resistance Improvement	20–50%