CONCRETE HARDENER

Water-repellent consolidating impregnation for concrete

CONCRETE HARDENER is a ready-to-use water-based impregnation formulated to assist mechanical grinding and polishing of concrete. It consolidates and hardens the substrate, improves resistance to abrasion and scratches and reduces water absorption. It can act as a primer before a suitable stain-resistant treatment.

Benefits

Deep penetration. Good resistance to wax strippers and cleaners. Can be combined with a stain-resistant impregnation. Helps installation and cleaning operations.

Suitable materials

For indoor and outdoor use on concrete and concrete agglomerates. Test the actual material and finish in an inconspicuous area first.

Data according to EN TDS rev. 3.0

Form / colour / odour	Liquid / white / typical
pH	9.5 ± 0.5
Density at 20 °C	1020 ± 10 g/l
Indicative coverage	10–15 m²/l
Packaging per TDS	1 l: 12 per box; 5 l: 4 per box
Tools	Brush, lambswool applicator, roller, airless

Preparation and application

01 Preparation

Test an inconspicuous area or unused piece. Protect adjacent surfaces that will not be treated. Never apply to wet or overheated surfaces. Substrate temperature: +5 to +40 °C.

02 Preliminary grinding

As part of the mechanical polishing process, first grind to 200/400 grit. Faber recommends dry preliminary grinding to avoid waiting for the surface to dry. Use suitable dust controls.

03 After wet grinding

Wait at least 24–48 hours before application. Faber also describes applying before the first mechanical grits and reapplying later in the process to limit water absorption. Validate this alternative sequence in the full test process.

04 Application

Use undiluted. Apply to a dry substrate with a brush, lambswool applicator, roller or airless. Prevent skin/eye contact and control spray mist according to the safety data sheet.

05 Further polishing

Continue with the next grit after the grit used before treatment. This stage must be carried out with water. Faber states that chemical finishing polishes may be used after 800 grit; results may correspond to mechanical polishing with finer 1500–3000 grits. Assess this on the test area.

06 Drying and tools

The TDS specifies approximately 15–30 minutes before handling material and at least 24 hours before installation. These are distinct release points and not a universal pedestrian-traffic guarantee. Clean tools with water after use.

Important guidelines

Ready to use; do not dilute. Never apply to wet or overheated surfaces. Always test first. The TDS does not specify a universal coating thickness, number of coats or waiting time before a subsequent stain-resistant impregnation. Confirm the system with Faber and the next treatment's data sheet.

Storage and safety

Store cool and dry in tightly closed original containers. TDS shelf life: 36 months in unopened, correctly stored packaging. Wear appropriate gloves and eye protection and follow the complete SDS. H315: causes skin irritation. H319: causes serious eye irritation.

Version control

Based on Faber EN TDS rev. 3.0, 17/10/2022. Stone+ adaptation v1.0, 07/11/2026. Older TDS rev. 2.2, 03/08/2016, specifies different values and 24 months shelf life. SDS rev. 6, 09/03/2022, states colourless, imperceptible odour, pH 10.5–11.4 at 5% and density 1110–1120 g/l. These conflicting source values have not been combined. Obtain batch-specific confirmation where the difference affects use. No specific result is guaranteed; the user must verify suitability for the material and application.

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