

APSESHIELD

WATER-REPELLENT TREATMENT BASED ON SILANES
AND SILOXANES

DESCRIPTION

Non-film-forming water repellent based on silicone resins, silanes, and siloxanes for the treatment of surfaces.

FIELDS OF APPLICATION

It is particularly suitable for protecting horizontal and vertical surfaces from rainwater and weathering. It can be applied to porous and absorbent materials (concrete, cementitious substrates, plasters, bricks, natural stones, etc.).

It is used to protect tiled surfaces—such as balconies, terraces, and bathroom or shower coverings—from water infiltration.

PACKAGING

1 – 5 – 25 litres cans

CONSUMO

80-120 cl/m² in funzione della porosità e dall'assorbimento del supporto.

FEATURES AND BENEFITS

- Non-film-forming, does not alter the appearance of the substrate.
- Maintains the breathability of the substrate.
- Good penetration depth.
- Rapid development of water repellency.

CERTIFICATIONS

APSESHIELD complies with standard UNI EN 1504-2: Concrete surface protection systems (DoP no. 568).

Quality management system certified according to ISO 9001 (Certificate No. IT.17.0227.01.QMS).

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SUBSTRATE PREPARATION

Surfaces must be clean and free from dust, oil, grease, mud, friable parts, paints, and anything else that may hinder penetration (absorption). Seal any cracks and, where necessary, fill the joints between tiles beforehand.

PRODUCT PREPARATION

Product ready for use.

APPLICATION METHOD

Apply with a brush or low-pressure sprayers, paying particular attention to joints and absorbent areas to allow the product to reach the underlying slab. Remove any excess product 15–20 minutes after application using a pad soaked in non-polar solvents (benzines).

Should any excess product remain on the floor for a prolonged period, it must be removed using a cloth soaked in non-polar solvents (petrol).

It is advisable to carry out a preliminary test on natural stone to check the product's absorption and water-repellent properties.

CURING

For drying and curing times (at 20°C), refer to the table below.

Dust-free	30 minutes
Water repellency	18-24 hours
Full penetration	7 days

WARNINGS

The product does not alter the breathability or the appearance of the substrate; however, it is recommended to carry out a preliminary test on a small area to verify the correct consumption of the product and any colour variations.

HEALTH AND SAFETY

For information on safety regulations, hazard indications, and precautionary advice, refer to the most recent Safety Data Sheet, available upon request at: ufficiotecnico@apsebg.it

STORAGE

Shelf life of 6 months when stored in the original unopened containers, in a dry place and protected from moisture.
Store at temperatures between +5°C and +35°C.
Protect from frost.

DISPOSAL

Dispose of contents and/or container in accordance with local regulations.

TECHNICAL DATA OF THE PRODUCT

CHARACTERISTIC	STANDARD	RESULT
Appearance	-	Liquid
Colour	-	Transparent
Dry residue	EN ISO 3251	30 ± 1%
Specific weight	EN ISO 2811-1	0.80 – 0.85 g/cm ³

PRODUCT CHARACTERISTICS IN ACCORDANCE WITH STANDARD EN 1504-2

CHARACTERISTIC	STANDARD	RESULT
Penetration depth	EN 1504-2	≥ 10mm (Class II)
Water absorption and alkali resistance - Absorption ratios compared to untreated sample - Absorption ratio after immersion in alkali solution	UNI EN 13580	≤ 7.5 % ≤ 10 %
Drying speed	UNI EN 13579	30 ± 1%

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