

Paviseal 850 HC

Protection by catalyzed nano-crystallization

Composed of a silicate-based mineral and inorganic binder.



Product

- Excellent penetration
- High brightness
- Ready to use
- About absorbing funds
- Formation of hard, crystalline surfaces
- Easy application

Remarks

- The substrate must be free of saltpeter, fungi, oils, greases, dirt in general, which may alter the effectiveness of the product. Both
- during the application and in the following 24 hours, the temperature should be $\geq +5^{\circ}\text{C}$. Do not apply in full sun.
- Apply carefully, as spray mist may have a powerful and cause damage to crystals.
- **Paviseal 850 HC** dries and crystallizes relatively quickly. Therefore, Apply the treatment without pause to a limited area. Eliminate any excess with a clean, dry cloth.

Characteristics

- It penetrates 19 cm into the concrete (Test No 22/32303985 carried out by Applus on a concrete specimen of 36 MPa and absorption $\leq 6\%$).
- It crystallizes and densifies concrete, preventing leaks and slowing down the entry of water.
- The appearance and colour of the treated materials does not change.
- It ensures an optimal pH level, which passivates corrosive attack on the internal reinforcement of concrete.
- Reduces the growth of fungi, molds and algae.
- Can be applied by impregnation or immersion, even on wet surfaces.
- **Suitable for use in materials in contact with drinking water, according to the requirements established in RD-140/2003**

Applications

- Application indoors and outdoors, pavements, walls and ceilings
- Mineralization, densification and consolidation of concrete, plaster, mortars, tiles, bricks, natural stone, flower pots, etc
- Consolidating-waterproofing treatment for gutters, planters, car parks, basements, elevator pits, swimming pools, ponds, tunnels, canals, foundations, retaining walls, pillars, etc
- Chemical barrier against rising humidity by capillarity.
- Hardener-repairer of brittle concrete surfaces that are subject to heavy wear, breakage or aggressive liquids.

Repair of brittle or cracked pavements

- Wet the support thoroughly
- Apply a coat of **Paviseal 850 HC** with a brush or sprayer at low pressure.
- Apply a layer of cement powder, with the help of a hard-haired brush, thoroughly filling the cracks, fissures and cracks.
- Apply a second coat of **Paviseal 850 HC**

Damp repair

- Remove plaster in poor condition.
- Wet the support thoroughly.
- Apply a coat of **Paviseal 850 HC** with a brush or sprayer at low pressure.
- Apply a layer of cement grout or spread the cement powder with the help of a hard-haired brush.
- Apply a second coat of **Paviseal 850 HC**
- At the slab-wall joints, open a diagonal slit (45°) 4 to 6 cm deep and 2-3 cm wide and fill with **Paviseal 850 HC** and cement or directly **Paviglass Base Coat**, finishing with a half round with **Paviglass Barrier Base TC mortar**

Rising moisture barrier by capillarity

- Remove plaster in the area affected by humidity.
- Make a double course of three bobbins, with perforations at a height as close as possible to the ground, deepening up to about 8-12 cm from the opposite face of the wall.
- The diameter of the holes will be 25-30mm with a separation between them and between courses of 15cm at an inclination with respect to the wall of about 30 to 45°
- Once the drilling work has been done, the holes will be cleaned using an air compressor.
- Vacuum or inject air to expel dust, saturate the perforations with water and wait for the wall to absorb it.
- Fill with **Paviseal 850 HC** until saturated.
- Once dry, plug the holes with **Paviglass Barrier Base TC**

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Technical Data

Aspect:	Opalescent liquid
Active Matter:	High concentration sodium nanosilicates
Volatile Organic Content	0.00% (VOC):
Specific Weight:	1,305 gr/cm ³
pH Value:	11.4 to 20°C.
Reaction to fire:	EuroClass A1
Application temperature	Between 5 and 35°C
Touch drying:	20-30 minutes
Drying for treading :	3 hours
Water exposure :	6 hours
Heavy traffic :	24 hours
Total resistance to aggressive liquids:	36 days
Abrasion resistance (TABER) EN 1062-3	80% increase
Capillary absorption, liquid water transmission rate (permeability) EN 1062-3	0.08 Kg/m ² *h ^{0.5}
Impact resistance (EN 6272)	24.50 N·m CLASS III
Adhesion Strength, (Concrete Tensile) EN 1542	3.4 N/mm ²
Penetration depth EN 1766 + EN 13579 + EN 14630	16.4 mm

Associated Products

*Paviglass Barrier Coat

*Paviglass Base Coat

*Paviglass TC Base Repair

*Paviglass Top Coat

⚠ IMPORTANT

The observations and prescriptions in this technical sheet, even if they correspond to our best experience, must in any case be considered purely indicative, and must be tested by exhaustive practical applications; therefore, before using the product, whoever is going to do so must establish whether or not it is suitable for the intended use, and assumes all responsibility that may arise from its use. Once the product has been handled or applied, the manufacturer will not assume any claim, nor will it be responsible for the form, mode and conditions of application.



Presentation

20 Kg Drum

Consumption

Performance depends on the type of application, the absorption capacity of the material and the required depth of penetration.

An exact consumption must be determined carrying out tests on site.

Conservation

In original packaging unopened and protected from the weather and moisture: 2 years