



DRI-GARD CP 890

High solids, solvent-free water-repelling hydrophobic impregnator for protection of mineral surfaces

Mono-component, high grade water-repelling impregnator for various substrates, including concrete, clinker masonry, ceramic tiles, and more. It protects mineral surfaces against the ingress of water and water-soluble pollutants.

FEATURES/BENEFITS

- Reduction of capillary water absorption & efflorescence
- Reduces dirt penetration into the pores
- Highly reactive and resistant against alkaline environments
- High penetration depth
- Repels water & reduces ingress of soluble salts (e.g. chloride ions)
- Does not affect water vapour permeability
- Able to be overcoated with other suitable coatings or surface treatments

APPLICATION AREAS

- Absorbent cementitious substrates
- Concrete
- Cementitious rendering
- Concrete tiles
- Fibre cement
- Clinker masonry
- Natural stone

PRODUCT DATA

Appearances / Colours	Colourless liquid
Packaging	20 kg pail
Storage	12 months from date of production
Storage Condition	Store properly in original, unopened and undamaged sealed packaging in cool and dry conditions at temperatures between -10°C to 40°C. Do not allow to come into contact with moisture.

TECHNICAL DATA

Origin	Monomeric alkyltrialkoxysilane
Active Solids	98 – 100 %
Flash point	63°C (DIN EN ISO 2719)
Density	Approx. 0.88 g/cm ³ (at 20°C)
Viscosity	Approx. 0.95 mPa.s (at 20°C)
Boiling Point	Approx. 186°C (DIN 51751)
Refractive Index	1.40 (DIN 51423)

APPLICATION CONDITIONS

Consumption	Concrete: min. 0.15 kg/m ² Clinker masonry: min. 0.15 kg/m ² Ceramic tiles: approx. 0.10 kg/m ²
Application Temperature/ Substrate Temperature	0°C – 40°C

SUBSTRATE PREPARATION

Concrete and cementitious substrates are recommended to cure for > 28 days for best results. Old concrete should be treated, air-dry and cleaned prior to application. Cleaning is best achieved by sandblasting, water-blasting or through the usage of suitable chemical cleaners.

Best results are obtained on dry, very absorbent substrates. The substrate must look dry with no damp patches.

APPLICATION

Dri-Gard CP 890 is applied via spray (e.g. airless sprayguns), working from bottom up. Ensure Dri-Gard CP 890 is applied by flowcoating to the saturation point. This can be done by allowing it to flow without pressure against the surface to be treated.

Dri-Gard CP 890 should be allowed to remain in contact with the substrate for several seconds. Horizontal surfaces should have a shiny and wet appearance for 3 – 5 seconds, whereas vertical surfaces should have a 30 – 50 cm shiny curtain of liquid.

TOOLS

Clean all tools and application equipment with organic solvent (methylated spirit, petrol or thinners) immediately after use. Hardened and/or cured material can only be mechanically removed.

MIXING

Dri-Gard CP 890 is supplied ready to use and should not be thinned.

LIMITATIONS

- Consumption is highly dependent on the absorbency of the substrate.
- Dri-Gard CP 890 should not come into contact with water before or during application.
- Do not apply when there is strong wind or if rain is imminent.
- Dri-Gard CP 890 should not be atomized or applied with a brush.
- Non-absorbent substrates cannot be treated with Dri-Gard CP 890.
- Glass, wood, metal and most plastics are not attacked by Dri-Gard CP 890 and may not require covering. Please conduct a trial prior to the application.
- Dri-Gard CP 890 forms a greasy, glossy silicone resin film should it be left on unabsorbent surfaces. This can be easily removed if cleaned immediately using conventional cleaning agents or alcohol that is compatible with the surface.
- Any plants or greenery that may be exposed to Dri-Gard CP 890 should be protected.
- Dri-Gard CP 890 should not come into contact with asphalt as it would dissolve.
- If there are strict aesthetic requirements (often when used on natural stone), it is recommended to make preliminary tests as on some stones may have slight surface colour changes.
- Dri-Gard CP 890 is not intended for waterproofing under hydrostatic pressure, in permanent contact with water, or for below grade waterproofing.
- Dri-Gard CP 890 is not intended to seal visible cracks.

HEALTH & SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTE

The information, and, in particular, the recommendations relating to the application and end-use of these products, are given in good faith based on current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance to the manufacturer recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. The manufacturer reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

