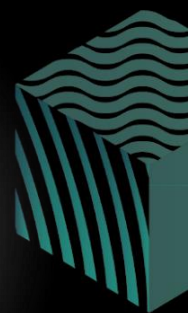


# DRYHARD

**HARDENING, SEALING, AND DUSTPROOFING  
PRODUCT FOR CONCRETE CHLORIDE-FREE  
COMPLIANT WITH EN 1504-2 STANDARD**



**DRYKOS**



## PRODUCT DESCRIPTION

DRYHARD is a single-component, water-based product that acts as a hardener, sealer, and dustproofer for the treatment of concrete surfaces or cementitious matrix supports.

## FEATURES

- Eliminates shrinkage micro-cracks
- Improves the maturation of concrete
- When diluted with water, it can be used as an anti-evaporation agent
- Eliminates pop-out phenomena (ASR - Alkali Silica Reaction)
- Reacts with salts present in the concrete, eliminating surface dust
- Improves resistance to freeze-thaw cycles
- Reduces permeability to oils, grease, or surface contaminants
- Water-based, non-toxic, and free of hazardous components
- Improves the adhesion of paints and coatings by eliminating salts
- Compatible with any type of coating

## ADVANTAGES

DRYHARD is easy to apply:

- Simply spray it with a low-pressure sprayer.
- Effective on both new and existing floors.
- A single application guarantees a permanent effect, without the complication of multiple layers.
- Increases the adhesive properties of sealants and coatings to be applied.
- Increases the durability of concrete and its surface resistance.

## GREEN TECHNOLOGY

DRYHARD is an environmentally friendly product that utilizes the chemistry of cement to perform its function, allowing for future recycling and avoiding the use of coating materials that would require high disposal costs.

## MAIN USAGE

- Industrial floorings
- Prefabricated floors with closed surface finish
- Logistics warehouses (high forklift traffic)
- Airplane hangars
- Industrial and food laboratories
- Paper mills
- Multi-story parking lots

## SURFACE PREPARATION

The surface must be cleaned from dust and debris through proper brushing. If there are areas contaminated with oils, fuels, grease, or pre-treatments, they must be cleaned before application with suitable products. Wash with water and let it dry; it is advisable to apply the product on a nearly dry surface.

## PRODUCT PREPARATION

Before using shake the DRYHARD container to eliminate any product deposits.

## DOSAGE

The dosage of DRYHARD on quartz-based pavements is 100-150 g/m<sup>2</sup>, while on non-quartz-based pavements, it is 200-250 g/m<sup>2</sup>. The dosages are indicative; the consumption depends on the finishing degree of the pavement and, in existing floors, on the wear degree. To use DRYHARD as an anti-evaporation agent, dilute 1 part of product in 5/7 parts of water.

## APPLICATION ON FRESH CONCRETE

Apply DRYHARD through a sprayer immediately after the finishing operation and as soon as the surface is sufficiently solid to be walked on. Keep the entire surface covered with DRYHARD for at least 30 minutes. When the surface becomes slippery, wash it with plenty of water and wait for it to dry. Let the concrete mature for 30 days before applying paints or coatings.

## APPLICATION ON EXISTING CONCRETE

Thoroughly clean the surface to be treated, eliminating any traces of oils or grease. Apply DRYHARD using a low-pressure sprayer or by pouring it on the surface and spreading it with a soft-bristled broom. Let the product rest for at least 30 minutes. As soon as the surface becomes slippery when walked on, wash it thoroughly with clean water, eliminating excess product. Wait 3/7 days before applying paints or coatings.

## LIMITATIONS

Do not apply DRYHARD when the temperature is below 4°C or above 35°C.

DRYHARD must not be used on cement blocks or porous plates.

DRYHARD should not be applied on previously treated surfaces unless coatings or treatments have been removed through abrasion.

## HEALTH AND SAFETY

Caution: surfaces treated with DRYHARD become temporarily slippery during application. DRYHARD contains chemicals that can cause skin irritation. It is recommended to use gloves and goggles when handling the product and to follow precautions for handling chemical products. For further and complete information regarding the safe use of the product, please refer to the Safety Data Sheet.

## STORAGE

DRYHARD should be stored at room temperature. Cold temperatures could cause crystallization of the product; in such a case, simply shake it in a warmer environment. Keep it in its sealed packaging and use it within 12 months.

## WARRANTY

If the product is found to be defective, Drykos' liability is limited to the replacement of the product itself. Since Supershield does not have control over the use of the product by the user, it is the latter who must ensure that the product corresponds to the use he intends to make of it, assuming all risks and responsibility in this regard.

## PACKAGING

The product is available in 25-liter containers.

## TECHNICAL DATA

Performance features	Test methods	Requirements in accordance with EN 1504-2	DRYHARD
Impact resistance	UNI EN ISO 6272-1	Class I: $\geq 4$ Nm – Class II: $\geq 10$ Nm - Class III: $\geq 20$ Nm -	Class III: 60 Nm
Depth of penetration	UNI EN 14630	Class 1: $< 10$ mm - Class 2: $\geq 10$ mm	Class 1: 6,7 mm
Abrasion resistance	UNI EN ISO 5470-1	Weight loss $< 3000$ mg At least 30% improvement when compared with an unsoaked sample	Weight loss 225 mg 540% improvement
Adhesion resistance - Pull-out test	UNI EN 1542	Crack bridging - Rigid systems with traffic $\geq 2,1$ N/mm <sup>2</sup>	5 N/mm <sup>2</sup>
Capillary absorption	UNI EN 1062-3	0,10 kg·m <sup>-2</sup> ·h <sup>-0,5</sup>	$\leq 0,035$ kg·m <sup>-2</sup> ·h <sup>-0,5</sup>
Fire resistance	UNI EN 13501-1	Euroclass	A1



Green  
Building  
Council  
Italia

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