DRYBOND

MULTIFUNCTIONAL ADDITIVE TO ENHANCE THE PERFORMANCE OF CEMENTITIOUS CONGLOMERATES

FREE FROM CHLORIDES
COMPLIANT WITH NORM EN 934-2

PRODUCT DESCRIPTION

DRYBOND is a latex with a high content of solid polymers, used as an adhesive bridge or to enhance the characteristics of cement mixtures. The product improves the adhesion and performance of cementitious conglomerates, allowing better bonding to the substrate. DRYBOND not only provides increased impermeability but also promotes the proper curing of cementitious mixtures.

FEATURES

- Improves adhesion on insufficiently rough substrates
- Enhances the maturation of mortars and concrete
- Improves resistance to abrasion
- Increases impermeability
- Enhances resistance to freeze-thaw cycles
- Improves resistance to penetration of oils, fats, or surface contaminants
- Enhances mechanical performance in both compression and flexion
- Allows the preparation of cohesive, thixotropic, and workable mixes
- Reduces shrinkage and cracking

AREAS OF APPLICATION

- Plaster applications
- Creation of render coats for plaster adhesion
- Cementitious mortars for repairs
- Surface finishes for concrete artifacts and precast elements
- Mortars for bonding tiles or slabs
- High-strength cementitious screeds
- Cementitious mortars for finishing surfaces subject to heavy abrasion (fresh-on-fresh slurry system) for industrial floors, ramps, channels
- Additive for highly adhesive cement slurries used as adhesive bridges

SURFACE PREPARATION

Brush and blow the surface to be treated with compressed air to eliminate and remove dust and any loose particles. If there are areas contaminated with oils, fuels, grease, or pre-treatment layers, they must be cleaned before application using suitable products. Then wash the surface with a pressure washer and let it dry.

PRODUCT PREPARATION

Shake the DRYBOND container to remove any product deposits.

CONSUMPTION

Consumption depends on the cement dosage and type of application: see the table below.
The table provides approximate indications for making mixes on-site, subject to verification of the obtained mix due to the variability of cements and aggregates.

WARNINGS

Do not use DRYBOND pure as a primer or adhesive bridge; always mix it with cement.

Do not use DRYBOND in mixes with temperatures below +5°C or above +40°C.
Do not mix the mixes with DRYBOND for more than 3-4 minutes.
After the application of the cementitious conglomerate (plaster, repair mortar, screed), it is essential to keep the surface damp for a few hours (spraying water) or protect it with suitable covers.

HEALTH AND SAFETY

DRYBOND does not contain chemicals that can cause skin irritations. However, it is recommended to use gloves and goggles when handling the product and follow precautions for chemical handling. For further and complete information about safe product usage, consult the Safety Data Sheet.

STORAGE

Cold temperatures may cause crystallisation of the product; in such cases, simply shake it and bring it into a warmer environment. Do not expose the product to direct sunlight or heat sources. Store it in its sealed packaging and use it within 12 months. The product must not freeze, as it can be damaged.

WARRANTY

If the product is found to be defective, Drykos' liability is limited to replacing the product itself. As Drykos has no control over the use of the product by the user, the latter must ensure that the product is suitable for the intended use, assuming all risks and responsibilities related to it.

PACKAGING

Available in 10 and 25-liter tanks.

DOSAGE

USAGE	DRYBOND KG.	CEMENT KG.
Repair mortars for thickness < 1 cm	3	100
Repair mortars for thickness > 1 cm	2	100
Screeds	2	100
Waterproof plaster	1,5	100
Adhesive cement slurry	1	3

TECHNICAL DATA

Performance features	Test Methods	Minimum regulatory requirements	DRYBOND
Chloride content	UNI EN 480-10	≤ 0,10% in mass	nobody
Alkali content	UNI EN 480-12	No minimum requirement	≤ 9,05% in mass
Capillary absorption	UNI EN 480-5	Tested on 7 days old concrete for 7 days: test mixture ≤50 mass% of control mixture Tested on 90 day old concrete for 28 days: test mix ≤60 mass% of control mix	7-day control mix 4.2; with Drybond - 0.93 (22%) 90 day control mix 9.23; with Drybond - 2.02 (22%)
Compressive strength	UNI EN 12390-3	At 28 days: test mix ≥85% of control mix	≥ 145% to the mixture without additives
Air content in fresh concrete	UNI EN 12350-7	Test mix ≤2% by volume compared to the control mixture unless otherwise stated by the manufacturer	0,03%

CE
UNI EN 934 - 2:2009

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