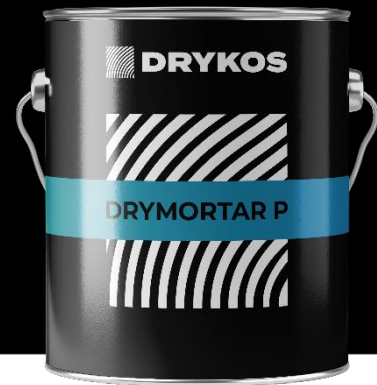


DRYMORTAR P

DRYMORTAR P IS A SINGLE-COMPONENT POURABLE MORTAR, CRYSTALLIZING, WATERPROOF, AND FIBER-REINFORCED FOR THE STRUCTURAL RESTORATION OF REINFORCED CONCRETE. FREE FROM CHLORIDES - COMPLIANT WITH EN 1504-3 STANDARD - CLASS R4



PRODUCT DESCRIPTION

DRYMORTAR P is an advanced, single-component pourable mortar that combines crystallizing waterproofing, controlled shrinkage, and reinforcement with fibers. It is composed of water-soluble additives and specialized hydraulic binders, ensuring outstanding structural stability. Specifically formulated for structural rehabilitation, it offers exceptional durability, even in aggressive environments, and adheres effectively to both concrete and steel surfaces.

DRYMORTAR P functions with a crystalline complex that shields it from water infiltration and chemical aggressions originating from any direction. The formation of these crystals can be reactivated over time when new water penetrates the applied concrete.

FEATURES

- Fibre-reinforced
- Waterproof and moisture-resistant
- Excellent adhesion to the cementitious substrate
- High resistance to chloride ion penetration (marine environments or de-icing salts)
- Certified for use with potable water

AREAS OF APPLICATION

- Structural restoration of concrete
- Structural Finishing and Consolidations
- Large-sized anchorages using pumped or cast-in-place injections
- Externally reinforced screeds of reinforced concrete slabs
- Repair of industrial floorings

SURFACE PREPARATION

Remove loose parts through high-pressure water cleaning or sandblasting. Expose and clean corroded steel bars, passivate them. Eliminate dust and residual micro fragments through water cleaning.

PRODUCT PREPARATION

Keep around two-thirds of the necessary water in a clean bucket. Next, add DRYMORTAR to the bucket and start mixing, followed by the remaining water. Continue mixing until a uniform paste is achieved, free from lumps, with the plastic mortar-like consistency. It's important to note that the mixing water should be roughly 10-12% of the powder's weight, equivalent to approximately 3 liters of water for a 25 kg bag.

PRODUCT APPLICATION

Saturation with water of the surfaces until reaching the "saturated surface dry" condition is required. Adequate roughening of the surfaces through scarification, sandblasting, etc., is always necessary to achieve maximum adhesion values to the substrate.

DRYMORTAR P is applied by casting.

Application thickness: Maximum recommended 30 cm; below 4 cm (up to 1 cm) is possible when DRYMORTAR P is used for reinforcement, repair, and topping of externally reinforced concrete slabs and industrial floorings, after mechanical scarification

and pressure washing of the surfaces.

For high anchorage sections, add gravel (6-10mm) up to a maximum of 25 kg of gravel for every 3 buckets of DRYMORTAR P.

CONSUMPTION

Approximately 19.5 kg/m² per centimeter of thickness (approximately 1,950 kg/m³).

WARNINGS

Do not apply DRYMORTAR P when the ambient temperature is below 4°C. In very hot and windy climates, pay more attention to the curing by spraying water or covering the repaired parts with polyethylene sheets, if necessary, treating them with an anti-evaporation product.

HEALTH AND SAFETY

DRYMORTAR P contains chemicals that can cause skin irritations. It is recommended to use gloves, goggles, and a mask when handling the product and follow normal precautions for chemical handling. For further and complete information about safe product usage, consult the Safety Data Sheet.

STORAGE

The product must be stored in a dry place. In intact and sealed packaging, the product can be stored for 12 months.

PACKAGING

The product is available in 25 Kg buckets.

TECHNICAL DATA

Performance features	Test methods	Characteristics in accordance with EN 1504-3 for R4 class mortars
Compressive Strength after 1 day	UNI EN 12190	> 30 N/mm ²
Compressive Strength after 28 days	UNI EN 12190	> 80 N/mm ²
Flexural Strength after 7 days	UNI EN 196/1	9 N/mm ²
Resistance to carbonation	UNI EN 13295	0.5 mm
Slip resistance	UNI EN 13036-4	50 mm
Water Absorption Test	UNI EN 13057	0.49 kg·h ^{0.5} /m ²
Determination of thermic compatibility	UNI EN 13687-1	≥ 2 mPa
Fire resistance	EN 13501-1	A1
Bonding Strength	UNI EN 1542	≥ 2 N/mm ²
Compressive Strength after 7 days	UNI EN 12190	> 60 N/mm ²
Flexural Strength after 1 day	UNI EN 196/1	> 5 N/mm ²

Flexural Strength after 28 days	UNI EN 196/1	> 11 N/mm ²
Resistance to slippage of the steel bar with improved adhesion		> 30 MPa
Density	UNI EN 1015-6	2190 kg/m ³
Chloride content	UNI EN 1015-17	< 0.01 %
Adhesion to concrete (shear test)		> 5 MPa
Elastic module	EN 13412	30000 N/mm ²