

DRY PACK 50 Dry Pack Grout

Description

Dry Pack 50 is a pre-blended dry pack ,shrinkage compensated grout that fully complies with the requirements of EN 1504 parts 3 and 6. The product is mixed with a controlled amount of clean water to produce a dry packing grout. Dry Pack 50 is formulated to give high performance characteristics with a low water demand, thus ensuring high early strength and long term durability.

Applications

Dry Pack 50 is suitable for use at depths of 5-100mm, in the following applications,

- Jointing of precast concrete units
- Bedding of precast concrete units
- Creating a shutter for grouting applications

Product Use

Mixing: To achieve dry pack grout, mix the contents of a 25kg bag with 2.0-2.5 litres of clean potable water. Using excessive water will affect the overall performance of the product. Mixing should be carried out in a suitable container by forced action using a paddle or high shear vane mixer. The powder should be added gradually to the measured water in the mixing vessel and mixed for 3-5 minutes until a stiff homogeneous consistency is achieved. Once mixed no further water should be added.

Placing: Dry Pack 50 is used for applications from 5 – 100mm in thickness. All surfaces must be clean and free from laitance, dust, debris and all oils etc. The area to be grouted should be pre-wetted and left in a saturated surface dry condition to avoid excessive absorption. Place grout into the prepared area and use a suitable ramming tool to ensure complete filling and compaction. Allow the material to stiffen and finish exposed areas with a dampened steel float/trowel. On completion of process all exposed areas should be cured with a suitable curing membrane.

Curing: Should be as per standard practices for cement based products. Grout should be protected from strong sunlight and cold weather.

Technical Data

KPRO Dry Pack 50 fully complies with the requirements of EN 1504 parts 3 and 6, and also the Specification of Highway Works Volume 1:Clause 2601 in NRA and Department of Transport Publications.

Characteristic	1 Day	7 Day	28 Day
Compressive Strength	15 MPa	40 MPa	50 MPa
Flexural Strength	-	-	8 MPa
Fresh Density	2200 kg/m ³		
Early Expansion	n/a		
Segregation (Glass Plates)	n/a		
Bleeding (Glass Plates)	n/a		
Pot Life	30 mins		
Initial Set	180 mins		
Final Set	240 mins		



Benefits

- Shrinkage compensated formula
- High early and ultimate strength
- Long term durability
- Convenient and User-Friendly
- Eliminates wastage
- Chloride free

Approximate Yield

No. 25kg bags	Approximate m ³
1	0.1

Application Temperatures



+5°C to +30°C

Health & Safety

Please refer to the relevant Material Safety data sheet online at www.kilsaran.ie.

Pack Size

- 25kg premixed bags

Get in touch



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Compliance

KPRO Dry Pack 50 is tested and marketed in accordance to CPR 305/2011 and complies with classification R4 according to EN 1504-3 and the requirements of EN 1504-6 : Anchoring of reinforced steel bar.

CE	
Kilsaran Concrete, Piercetown Dunboyne Co. Meath Ireland 20	
EN1504-3 :EN 1504-6 Concrete repair products for structural repair CC mortar (based on hydraulic cement) : Anchoring of reinforcing steel bar.	
Compressive Strength	R4 (≥ 45 MPa)
Adhesive Bond by pull-off	≥ 2.0 MPa
Chloride ion content	≤ 0.05%
Carbonation Resistance	Pass
Elastic Modulus	23 GPa
Thermal Compatibility – Part 1: Freeze-thaw	≥ 2.0 MPa
Testing of anchoring products By pull-out method	≤ 0.6mm @ 75kN load
Resistance to fire	Class A1
Dangerous Substances	Complies with 5.4 of EN 1015 parts 3 & 6

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