

TJM Thixotropic Jointing Mortar

Description

KPRO TJM is a pre-blended, cementitious, thixotropic jointing mortar for the pointing and trowelling of precast panels and units. The product is mixed with a controlled amount of clean water to produce a plastic mortar grout. KPRO TJM is formulated to give thixotropic characteristics, allowing for ease of placement without the need for shuttering. Once placed TJM thixotropic properties ensure the fresh mortar will resist slumping and remain in-situ.

Applications

KPRO TJM is suitable for use in vertical and horizontal applications at gap thicknesses of 5-75mm, in the following applications,

- Pointing Structural gaps in precast units.
- Providing permanent in-situ shuttering in pre-cast panel joints for future grouting.

Product Use

Mixing: To achieve a plastic thixotropic mortar, mix the contents of a 25kg bag with 3.0 – 3.25 litres of clean potable water. If using with a pointing gun than 3.25 litres of water is advised. Using excessive water affect the overall performance of the product. Mixing should be carried out in a suitable container by using a paddle or force action mixer. The powder should be added gradually to the measured water in the mixing vessel and mixed for until a smooth, lump-free consistency is achieved. Once mixed allow the material to stand for 3-5 minutes and remix for an additional 2-3 minutes. Once mixed no further water should be added. Only mix enough material to allow placement within 15-20 minutes.

Placing: KPRO TJM is used for vertical and horizontal applications from 5-75mm 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-soaked (ensuring no ponded water) prior to placing of the mortar. The grout should be placed as soon as possible after mixing to guarantee the maximum physical properties performance. Fill the void/gap with the fresh mortar by means of a suitable pointing/caulking gun, or by pointing trowel. Once the material has picked up it should be tooled to give the desired finished texture, flush with the surrounding surfaces.

Technical Data

KPRO TJM is produced in an ISO 9001 controlled environment and when mixed and used as stated will yield the following properties,

Characteristic	1 Day	7 Day	28 Day
Compressive Strength	≥ 25 MPa	≥ 45 MPa	≥ 55 MPa
Flexural Strength	≥ 5 MPa	≥ 9 MPa	≥ 10 MPa
Fresh Density	2100 kg/m ³		
Pot Life	15-20 min		
Initial Set	25 min		
Final Set	120 - 150 mins		
Maximum Grain Size	1.0mm		



Benefits

- Shrinkage compensated formula
- High early and ultimate strength
- Pre-blended to provide consistent mix
- Can be placed with a pointing gun or pointing trowel
- Long term durability
- Quick setting

Approximate Yield

No. 25kg bags	Approximate litres
1	13.0

Application Temperatures



+3°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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