MASS 820 PRONTO two-components

READY TO USE CEMENT BASED PRE-MIX FOR NORMAL SETTING AND FAST DRYING SCREEDS

CE CT-C30-F6-A1fl – Standard EN 13813

Description MASS 820 PRONTO is a mortar for preparing screeds, specially formulated with cement, selected fillers and additives.

The product is composed out of :

comp. A powder	Bag of 25 Kg. on pallet
comp. B liquid	Cans or IBC

The comp. B (liquid) is easily measured in volume (together with the mixing water), in the ratio of 0.3% on the amount of the comp. A powder (75 ml per 25 kg bag).

Advantages

- Valid product solution "READY TO USE" for use in town centres or anywhere there are difficulties with the machining of more traditional components or difficulties in the supply of correct aggregates.
- Fast dissolution of all the active components of the formulation and rapid and easy mixing.
- Use efficient mixers: a vertical axis, planetary mixers also.
- Use appropriate and efficient automatic pressured pumps.
- The operations of mixing, transporting and casting is facilitated by the speed in the preparation of levelling guiders and screeding operation, compaction, trowelling.
- Levelling possible after 1-4 days depending on the type of floor.
- Low shrinkage, volumetric stability.
- Excellent mechanical resistances for both short and long curing.

Indicated use For free floating, or adherent screeds, followed by the application of linoleum, vinyl, carpet, ceramic, stone, wood, where it is necessary to allow rapid drying and fast installation of the next sequence.

Mechanical characteristics (typical values)

% mixing water recommended for TERRA HUMIDA ✱:	about 6% referring to the weight of powder Comp . A.
Wet density:	from 1900 to 2200 Kg/m^3 depending on the level of compaction performed.
Setting time:	circa 1 hour at 20°C
Application temperature:	from +4°c to +36°C
Yield in function of the degree of compaction:	18-20 Kg/m^2/cm

NOTE ✱ : can vary depending on the conditions and ambient temperatures and the temperature of the components (attention if bags are exposed to the sun!).

Mechanical resistance –TYPICAL (according to the density on jobsite)	1 d.	4 d.	28 d.
Compression (N/mm^2)	8÷12	14÷20	28÷40
Flexural (N/mm^2)	2,5÷3,0	3,5÷4	5÷7,5
Residual humidity (measured with Carbide hygrometer)	< 4%	< 2%	

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Method of use

Floating screeds (30-60 mm):

• Install polyethylene sheet, allowing the movement between the screed and substrate.
• In the case of substrates with rising humidity use pe-sheets that allow the formation of a vapour barrier.
• The screed may be reinforced with suitable metal nets.
• Special attention and equipment in the event of crossing ducts.
• Apply for a thickness of about 1 cm appropriate insulation foam on the perimeter walls and against pillars (expanded polystyrene, cardboard, etc.).
• In the case of castings after interruption insert pieces of rod ∅ 3-4 mm and about 30 cm length.

Adhering Screeds (10-30 mm):

• Check the type of substrate.
• Consult our Project Promotion Assistance Office.
• The preparation of the substrate must be performed adequately, sometimes with slight mechanical scarification.
• Before laying the adherent screed, apply an adhesive layer, with a brush or trowel, grout consisting of: resin **SPR 19** (part 1) + water (3 parts) mixed with MASS 820 PRONTO, till a fluid consistency is obtained. Next apply MASS 820 PRONTO screed in 'damp earth' consistency on the fresh key-coat, wet in wet.

Packaging

Comp. A : bags of 25 kg on pallet

Comp. B : cans of 5 kg, pails of 20kg, IBC of 1000 kg.

Safety Indications

Read carefully the safety indications on the packaging, or consult the relevant Material Safety Datasheet of this product.

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