


TECHNICAL SHEET	FLOORING AND SCREEDS	 EN 13813:2012	Designation according to the standard EN 13813:2012 CT-C30-F7-A22
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Revision: 01–23/10/2024

SELF-LEVELING L20 Plus MORTAR

The Self-Leveling L20 Plus mortar is a self-leveling cement-based mortar type CT-C30-F7-A22 made with marble aggregates and special additives that give it, high resistance to abrasion, high hardness and optimal fluidity, being pumpable with high self-leveling power for regularization, repair and leveling of interior and exterior pavements from 3 to 20 mm thick.

Composition

Composed of crushed marble aggregates used in construction, cement and additives of both organic and inorganic nature that give it better characteristics in adhesion, fluidity, leveling power and resistance to wear.

Application Field

The **Self-Levelling L20 Plus mortar** is a material with high mechanical resistance, high resistance to abrasion and with a good surface finish ideal for the creation of continuous screeds both in new construction and in rehabilitation and for levelling small and large surfaces. For applications in which a level screed is required as a support for other types of cladding such as parquet, carpet, ceramic, linoleum, etc. It is also suitable for use in underfloor heating, as a finishing material for resin systems for flooring and for the use of furniture with wheels. This mortar is applicable on a wide variety of substrates such as concrete, cement screed, anhydrite, ceramic or natural stone both indoors and outdoors.

Instructions for use

- **Preparation of the support:** The support must be completely set, dry, hard, rough, free of disintegrable elements and clean of dust, paint, oil, etc. On very porous or very compact supports, in order to avoid the appearance of air bubbles and/or improve adhesion, this should be prepared by applying a layer of **the FIXMAR PRIMER GR** primer, letting this primer dry for about 4 hours under normal conditions until it feels dry when touched.
- **Preparation of the mixture:** Pour 5.5-6 l of water into a container, sprinkle a 25 kg bag of the product and kneading vigorously until you get a fluid mortar free of lumps, let it rest for 2 to 3 minutes and knead again.
- **How to use:** For manual application, pour 5.5-6 l of water into a container, add a 25 kg bag of the product and shake until you get a fluid and lump-free mortar, let stand for 3 to 5 minutes and knead. Next, the mortar is spread on the surface to be leveled, taking into account that to carry out levelling of small thicknesses the help of a trowel or paver skid is necessary. It smooths and evens out on its own.

L20 Plus can be applied, using cyclic or helical pumps that are capable of expelling 20-40 l per minute. Before pumping, the pipes and pipes must be lubricated with a mixture of 25 kg of L20 Plus with approximately 8 litres of water. At the end of the application, it is advisable to pass a barbed roller to remove the occluded air.

Recommendations for use

- In application by pumping, do not use a cement slurry to lubricate the system and take into account that if a stop of more than 25 minutes is necessary, the pipes and ducts of the system must be cleaned to prevent residual paste from setting and hardening inside.
- On non-porous substrates, apply a minimum layer of 5 mm.
- Application temperature between 5°C and 35°C.
- Before coating the product, it is necessary to make sure that the residual moisture is less than 3%.
- Do not apply on icy substrates, during thaw periods or if imminent frosts are expected.
- Do not apply in basements or in areas with humidity.

- If larger thicknesses are required, it is necessary to do it in several layers, waiting a minimum of 4 hours between layers. To make a second layer of screeding, the first one must be completely dry or, failing that, make a primer with FIXMAR PRIMER GR.
- Respect the use of the perimeter movement joints by installing 10 mm thick compressible material bands at the meeting point of the screed with all the construction elements that are in the way.
- For large surfaces, it is advisable to make partition joints every 25 m². The width of the joint should be at least 6 mm, and it should be filled with a chew.

It is advisable to coat or seal the SELF-LEVELLING L20 PLUS with a suitable resin to improve the durability of the material.

Technical Data

Product	Type	CT-C30-F7-A22	
	Appearance	Grey Powder	
	Powder Density	1,28 g/cm ³	
	Granulometry	0,8 mm EN 933-1	
Application	Kneading water	22-24%	
	Mixing Density	2,08 gr./cm ³	
	Application Thickness	3-20 mm	
	Useful life	15'-20'	
	Maturation Time	2'	
	Initial setting time	5h	prEN 13454-2
	Final Setting Time	7h	prEN 13454-2
	Walkable to	4,5h	
	Coated to the	24h	
Final yields	Compressive Strength	>30 MPa	EN 13892-2
	Bending Strength	>7MPa	EN 13892-2
	Böhme wear resistance	< 22cm ³ /50cm	EN 13892-3
	Reaction to fire	A1	EN 13501-1
Yield	20 kg/m ² for each cm of application		
Presentation and storage	Bags of 25 kg and must be stored, for a maximum of 12 months from the date of manufacture, in the original closed container, in a covered, dry and ventilated place.		

Para to know the safety precautions in the use, storage and disposal of the product, consult the Safety Data Sheet available on the website www.aymarsa.es

NOTE: The information contained in this technical sheet is based on our experience and tests carried out in specialized laboratories. The characteristics of the resulting product will depend on the correct preparation and application on site by the user. If these conditions are not met, the characteristics indicated above will not be achieved.



Plant & Offices
 Ctra. C-35, Km 58 · Ap. correos nº1
 08470 SANT CELONI (Barcelona)

Tel. (+34) 93 867 00 00

aymar@aymarsa.es
www.aymarsa.es

