


<b>TECHNICAL DATA SHEET</b>	<b>PAVEMENTS AND SCREEDS</b>	 EN 13813:2012	Designation according to standard EN 13813:2012 <b>CT-C30-F7-A22</b>
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Revision: 00 - 17/05/2022

# Self-leveling mortar L20 plus

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

## Composition

Composed of crushed marble aggregates used in construction (EN 12620 and EN 13139), Portland cement (EN 197-1 and UNE 80601) and additives of both organic and inorganic nature that give it better characteristics in adhesion, fluidity, leveling power and wear resistance.

## Field of application

The **self-leveling mortar L20 Plus**, is a material of high mechanical resistance, high resistance to abrasion and with a good surface finish suitable for the creation of continuous screeds in both new construction and rehabilitation and for leveling small and large surfaces. For applications in which a leveled screed is required as a support for other types of covering such as parquet, carpet, ceramic, linoleum, etc. It is also suitable for use in radiant floors, as a finishing material for resin flooring systems and for the use of furniture with wheels. This mortar can be used 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 substrate:** The substrate must be completely set, dry, hard, rough, free of disintegrable elements and free of dust, paint, oil, etc. In 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 coat of primer **FIXMAR PRIMER GR**, leaving this primer to dry about 4 hours under normal conditions until dry to the touch.
- **Preparation of the mixture:** Pour 5.5-6 l of water into a container, sprinkle a 25 kg bag of the product and knead vigorously until a fluid, lump-free mortar is obtained, leave to stand for 2 to 3 minutes and re-mix.
- **Instructions for use:** For a manual application, pour 5.5-6 l of water in a container, add a 25 kg bag of the product and shake until obtaining a fluid mortar free of lumps, let stand between 3 and 5 minutes and re-mix. Next, the mortar is spread on the surface to be leveled, taking into account that to level small thicknesses it is necessary to use a trowel or spreader skid. It smoothes and levels itself.

L20 Plus can be applied using cyclic or helical pumps capable of delivering 20-40 l per minute. Before pumping, it is necessary to lubricate the pipes and ducts with a mixture of 25 kg of L20 Plus with approximately 8 liters of water. At the end of the application, it is advisable to pass a spiked roller to eliminate the occluded air.

## Recommendations for use

- In application by pumping, do not use a cement slurry to lubricate the system and bear in mind that if a break 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 the system.
- On non-porous substrates apply a minimum coat of 5 mm.
- Application temperature between 5°C and 35°C.
- Before coating the product, make sure that the residual moisture content is less than 3%.
- Do not apply on frozen substrates, in thawing period or if imminent frost is foreseen.
- Do not apply in basements or in areas with humidity.

- If greater thicknesses are required, it is necessary to apply it in several coats, waiting a minimum of 4 hours between coats. In order to apply a second coat of screed, the first coat must be completely dry or, failing that, a primer must be applied with FIXMAR PRIMER GR.
- Respect the use of perimeter movement joints by installing 10 mm thick compressible material strips where the screed meets any intervening construction elements.
- For large surfaces it is recommended to make partition joints every 25 m<sup>2</sup>. The joint width should be at least 6 mm and should be filled with a mastic.
- It is advisable to coat or seal the AUTONIVELANTE L20 PLUS with a suitable resin to improve the durability of the material.

## Technical Data

Product	Type	CT-C30-F7-A22	
	Appearance	Gray Powder	
	Powder density	1.28 g/cm <sup>3</sup>	
	Granulometry	0.8 mm EN 933-1	
	Thickness of application	Between 5 and 20 mm	
Application	Kneading water	22-24%	
	Mixing density	2.08 gr./cm <sup>3</sup>	
	Application thickness	5-20 mm	
	Shelf life	15'-20'	
	Maturation time	2'	
	Initial setting time	5h	prEN 13454-2
	Final setting time	7h	prEN 13454-2
	Passable at	4,5h	
	Coatable to	24h	
Final yields	Compressive strength	>30 MPa	EN 13892-2
	Bending strength	>7MPa	EN 13892-2
	Böhme wear resistance	< 22cm <sup>3</sup> /50cm	EN 13892-3
	Reaction to fire	A1	EN 13501-1
Performance	20 kg/m <sup>2</sup> per cm of application		
Presentation and storage	25 kg bags and should be stored, a maximum of 12 months from the date of manufacture, in the original closed container, in a covered, dry and ventilated place.		

For safety precautions for use, storage and disposal of the product, please refer to the Safety Data Sheet available at [www.aymarsa.es](http://www.aymarsa.es).

**NOTE:** The information contained in this data sheet is based on our experience and on 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.



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