

SELF-LEVELLING MORTAR L20 Plus

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 both organic and inorganic additives that give it better characteristics in terms of adhesion, fluidity, leveling power, and wear resistance.

Scope of application

L20 Plus self-leveling mortar is a material with high mechanical strength, high abrasion resistance, and a good surface finish, ideal for creating continuous screeds in both new construction and renovation projects, and for leveling small and large surfaces. For applications where a leveled screed is required as a substrate for other types of flooring such as parquet, carpet, ceramic, linoleum, etc. It is also suitable for use on underfloor heating systems, as a finishing material for resin flooring systems, and for use with wheeled furniture. This mortar can be applied to a wide variety of substrates such as concrete, cement screed, anhydrite, ceramic, or natural stone, both indoors and outdoors. **Suitable for underfloor heating.**

Instructions for use

- **Preparation of the support:** The support must be completely set, dry, hard, rough, free of loose elements, and clean of dust, paint, oil, etc. On very porous or very compact supports, in order to prevent the appearance of air bubbles and/or improve adhesion, the substrate must be prepared by applying a coat of FIXMAR PRIMER GR primer. Allow this primer to dry for about 4 hours under normal conditions until it feels dry to the touch.
- **Preparation of the mixture:** Pour 5.5-6 liters of water into a container, sprinkle in a 25 kg bag of the product, and mix vigorously until you obtain a fluid mortar free of lumps. Let it rest for 2-3 minutes and mix again.
- **Instructions for use:** For manual application, pour 5.5-6 liters of water into a container, add a 25 kg bag of the product and stir until you obtain a fluid mortar free of lumps, let it rest for 3 to 5 minutes and knead again. Then spread the mortar over the surface to be leveled, bearing in mind that a trowel or spreading skate is required for leveling small thicknesses. It smooths and levels itself.

L20 Plus can be applied using cyclic or helicoidal pumps capable of expelling 20-40 liters per minute. Before pumping, it is necessary to lubricate the tubes and conduits with a mixture of 25 kg of L20 Plus and approximately 8 liters of water. Once the application is complete, it is advisable to roll over the surface with a spiked roller to remove any trapped air.

Recommendations for use

- When applying by pumping, do not use a grout to lubricate the system and bear in mind that if a stoppage of more than 25 minutes is necessary, the pipes and conduits of the system must be cleaned to prevent residual paste from setting and hardening inside them.
- On non-porous supports, apply a minimum layer of 5 mm.
- Application temperature between 5°C and 35°C.
- Before coating the product, ensure that the residual moisture content is less than 3%.
- Do not apply to frozen supports, during thawing periods, or if frost is expected.
- Do not apply in basements or damp areas.

- If greater thickness is required, it is necessary to apply several layers, waiting a minimum of 4 hours between each layer. To apply a second layer of screed, the first layer must be completely dry or, failing that, a primer coat of FIXMAR PRIMER GR must be applied.
- Respect the use of perimeter movement joints by installing 10 mm thick strips of compressible material at the junction of the screed with all intervening construction elements.
- For large surfaces, it is advisable to make partition joints every 25 m². The joint width must be at least 6 mm and must be filled with mastic.
- It is recommended to coat or seal AUTONIVELANTE 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 after	4,5h	
	Coatable after	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 per 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.		

For safety precautions in the use, storage and disposal of the product, please refer to 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.



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