

# 180" ultra-fast anchoring mortar

**Aymar** 180" ultra-rapid mortar is a single-component, thixotropic product that sets and hardens very quickly and is highly resistant. It's an ideal mortar for repairs and compromised anchors.

## Composition

Composed of crushed marble aggregates used in construction, high-performance cements and organic and inorganic additives that give it high initial and final strengths, good resistance to abrasion and high resistance to corrosion. workability and rapid setting and curing.

## Field of application

- Fast fixing of any masonry element (beading, screed, rapid wall assembly, etc.) on vertical and horizontal surfaces, indoors and out.
- Installation of manhole covers, clamps, pipes, toilets, etc.
- Installation of boxes and sheaths for electrical installations.
- Installation of wood and metal frames.
- Suitable for stopping slight water infiltration.

## Instructions for use

- **Substrate preparation:** The substrate must be resistant, perfectly hardened and free from dust, paint, oil, etc. Any deteriorated, loose, unsound or disintegrating concrete must be removed, as well as any residues of stripping wax. The substrate must be moistened 24 hours before application, and repeated until saturated just prior to application.
- **Preparing the mixture:** in a container holding 230-240 grams of water, pour, little by little and stirring, 1 kilo of 180" ultra-fast mortar and mix by hand with a trowel or spatula, until a homogeneous, lump-free mixture is obtained. Larger quantities can be mixed, but in this case, the use of an electric mixer is recommended.
- **Sample application:** Apply the mixture immediately after preparation, to avoid the product starting to set, with a trowel or smoothing machine. Keep the surface damp during the first hour of curing to achieve ideal setting. Setting time is 1 to 2 hours.

## Recommendations for use

- Only knead quantities that can be applied in 1-2 minutes.
- Do not add any more water to the mortar once it has lost its consistency.
- To fill large surfaces, apply several coats, allowing around 5 minutes between coats.
- To repair damaged concrete structures, use ADIREPAR R4 repair mortar.
- Use ADIGROUT anchoring mortar to anchor machinery or load-bearing structures.
- Once applied, it protects against the effects of the weather.
- Do not leave bags of 180 Ultra Rapid mortar in the sun before use.

## Technical data

Product	Color	Grey		
	Powder density	1.2 g/cm <sup>3</sup>		
	Maximum particle size	1mm		
	Application thickness	Between 1 and 5 mm		
Application	Kneading water	23-24%		
	Performance	18 kg/m <sup>2</sup> and cm thickness		
	Mixing density	2.1 g/cm <sup>3</sup>		
	Workability time	Approx. 1 minute		
	Setting time	Approx. 3 minutes		
	Exercise time	1 - 2 hours		
Final yields	Compressive strength at 20''	>3 N/mm <sup>2</sup>		
	Compressive strength at 3 hours	>8.5 N/mm <sup>2</sup>		
	Compressive strength at 24 hours	>12 N/mm <sup>2</sup>		
	Compressive strength at 7 days	>16 N/mm <sup>2</sup>	EN 12190	
	28-day compressive strength	>20 N/mm <sup>2</sup>	EN 12190	
	28-day flexural strength	>4 N/mm <sup>2</sup>	EN 12190	
	Reaction to fire	Clase A1	Decision 96/603/CE	
Storage	12 months - Store in a closed container in a covered, dry, ventilated area.			
Presentation	25kg bags			

For precautions on use, storage and disposal of the product, see 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 correct preparation and application on site by the user. If these conditions are not met, the above characteristics will not be achieved.



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