

Adimar Superflex

The ADIMAR SUPERFLEX **adhesive for ceramic tiles**, supplied by AYMAR S.A.U, is a high-performance single-component cementitious adhesive, designed, developed, manufactured with selected marble aggregates, cement, synthetic resins and other very specific additives that give it excellent adhesion properties, as well as high flexibility and negligible slippage.

Especially suitable for use in thin layers, for low-absorption and large-format ceramic materials, for facades, high-traffic floors and floors with underfloor heating.

Composition

Composed of **crushed marble aggregates** used in construction, **Portland cement** and **additives** of both organic and inorganic nature that give it better characteristics in adhesion, sliding and transverse deformation.

Field of application

The technical characteristics and properties that **ADIMAR SUPERFLEX** has give it great versatility in terms of the field of application, since it is an ideal adhesive to use both indoors and outdoors and on any type of surface, whether absorbent or not; porcelain stoneware, glass mosaic, ceramic tiles, marbles, natural stones, plaster supports of mortar, concrete, brick, prefabricated blocks, plasterboard, waterproofed supports, anhydrite, etc. In addition, this adhesive is suitable for application on floors with radiant heating and cold rooms, also maintaining its properties in a service that requires immersion.


Instructions for use

- **Preparation of the support:** The support on which the application is to be made must be resistant, dry, clean of dust and free of traces of release agent.
Do not apply on support with a humidity greater than 5%.
Check the planimetry of the support with a 2 m ruler, verifying that the deviations must be less than 5 mm. In the event of greater deviations, they must be regularized before installation.
- **Preparation of the mixture:** add 7.5-8.5 l of water per bag and mix manually or mechanically, with an electric mixer with a low number of r.p.m., to eliminate any possible presence of lumps in the paste, let the mixture stand for 5 minutes and make a brief re-kneading..
- **Application of the paste:** Apply the product on the substrate using a notched trowel, to regularize the thickness, in a maximum area of 2 m², applying enough pressure so that the minimum contact with the cement is 80%, taking into account whether it is necessary to perform a double gluing (see performance table). Place the tiles by pressing them until the grooves are flattened and the piece is correctly solidized with the help of a rubber mallet. It is necessary to check, with your fingertips, periodically that the adhesive has not formed a film on its surface, if this happens, the product must be combed again, taking into account that we are still in the margin of the open time of the product (if the time period since its application has exceeded this open time, the adhesive must be removed and reapplied).

Recommendations for use

- The application temperature must be between 5 °C and 35 °C on the support.
- Do not apply if frost or in full sun is expected.
- On old ceramic and to assemble large or heavy pieces, always double glue.
- It is essential to use safety staples or mechanical façade staples if the pieces have: a large surface area (>60x40 cm), or a weight greater than 40 kg/m².
- On floors with underfloor heating, it must be switched off at least 48 hours before application.
- Cold rooms should remain turned off until the adhesive cures is complete, a minimum of 7 days depending on environmental conditions.
- In case of using the **ADIMAR SUPERFLEX** in swimming pools, it can be refilled after 7 days from its application.
- In ceramic facade coverings, a joint must be left between pieces of at least 5 mm, this being 2 mm in the event that the product is used indoors using spacers that have these dimensional characteristics. The use of the 0-15 ADIMAR universal joint or the 0-16 ADIMAR technical joint is recommended for the sealing of these joints. In addition, the use of expansion joints must be taken into account, making this every 30 m² for large format tiles and every 60 m² in case the tiles are of small format, and perimeter joints in cornices and wrought iron projections, always respecting the structural joints of the building.
- If the substrate on which the product is applied is deformable, for example plasterboard, it is necessary to check its rigidity so that the result of the application is ideal.

Technical data

Product	Type	C2TES2		Classification according to the standard EN 12004-1:2017
	Color	White / Grey		
	Powder Density	1,43 g/cm ³		
Application	Kneading water	30-34%		
	Mixing Ratio	7.5-8.5 l per 25Kg bag		
	Maturation Time	5'		
	Useful life time	4h		
	Open Time	30'	EN 12004-2:2017	
	Adjustment Time	40'		
	Slippage	< 0,5 mm	EN 12004-2:2017	
	Mix Density	1,55 g/cm ³		
	Grouting at:	24h		
	Walkable at:	24h (Light traffic)		
Final yields	Flexibility	Muy buena		
	Initial adhesion	>1,0N/mm ²	EN 12004-2:2017	
	Adhesion after immersion in water	>1,0 N/mm ²		
	Adhesion after heat aging	>1,0 N/mm ²		
	Adhesion after freeze-thaw cycles	>1,0 N/mm ²		
	Open Time Adhesion, 20'	>0,5 N/mm ²		
	Open time adhesion, 30'	>0,5 N/mm ²		
	Transverse deformation	>5 mm		
		Class A+ according to limits established in Decree No. 2011-321 of France. The scale ranges from A+ (Very Low Emissions) to C (High Emissions).		
	EC1 PLUS class according to emission limits of the rating EMICODE . The scale ranges from EC1 PLUS (the strictest emission limits) to EC2 (low emissions).			
Storage	12 months	Store with the container closed and in a covered, dry and ventilated place		
Presentation	25 kg bags			
HS Code	38245090			

Yields

Destiny	Surface (cm ²)	Plain measurements (mm)	Anchoring Mode	Consumption (kg/m ²)
Interior	50 < S ≤ 300	U6 (6x6x6)	Simple	3,5
	300 < S ≤ 1200	U9 (9x9x9)	Double	6
	1200 < S ≤ 2200	U9 (9x9x9)	Double	6
	2200 < S ≤ 10000	media luna (20x10x8)	Double	7
Outside	500 < S ≤ 3000	U6 (6x6x6)	Double	5
	300 < S ≤ 1200	U9 (9x9x9)	Double	6
	1200 < S ≤ 3600	Half moon (20x10x8)	Double	7
Average yield: 5-5,5 Kg/m²				

MADE IN SPAIN

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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