

Adimar Superflex

The ADIMAR SUPERFLEX ceramic tile adhesive, supplied by AYMAR S.A.U., is a high-performance monocomponent adhesive cement, designed, developed and manufactured with selected marble aggregates, cement, synthetic resins and other very specific additives that give it excellent grip properties as well as great flexibility and inestimable gliding. Especially suitable for use in fine films, for low absorption and large format ceramic materials, for facades, high circulation pavements and floors with underfloor heating.

Composition

Composed of marble crushed aggregates used in construction (EN 12620 and EN 13139), portland cement (EN 197-1 and UNE 80601) and both organic and inorganic additives that give it better characteristics in terms of adhesion, sliding and transverse deformation.

Application field

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

Usage mode

- Preparation of surfaces: the surface on which the application will be carried out must be resistant, dry, flat, dust-free and any traces of demolition.
Do not apply to surfaces with humidity content of more than 5%.
Check the planimetry of the support by means of a 2 m ruler, checking that the deviations are less than 5 mm. In case of larger deviations, they must be adjusted before installation.
- Blending preparation: Add 7 to 7.5 l of water above and mix it manually or mechanically with a low-speed electric blender to remove the lumps from the mass, let the mixture rest for 5 minutes and mix again briefly.
- Application of the paste: apply the product to the surface by means of a toothed palette to regularize the thickness, on a maximum surface of 2 m², exerting sufficient pressure so that the minimum contact with the cement is 80%, taking into account the possible need for double glueing (see consumption table). Place the tiles by pressing them until the slots are flattened and the room is filled correctly with a rubber mace. It is necessary to check periodically, with the tip of the fingers, that the adhesive has not formed a film on its surface, if this happens it will be necessary to paint the product again, considering that we are always outside the open time of this product (if the period elapsed since its application has exceeded the aforementioned open time, it will be necessary to remove the adhesive and apply it again).

Recommendations for use

- The application temperature must be between 5 °C and 35 °C on the substrate.
- Do not apply if frosts or direct sunlight are expected.
- In old ceramics and to assemble large or heavy pieces, it is always necessary to make a double glue.
- It is essential to use safety staples or mechanical staples on the facades if the rooms have: a large surface (60x40 cm), or a weight of more than 40 kg/m².
In flats with underfloor heating, it must be turned off at least 48 hours before application.
- The cold chambers must remain closed until the adhesive has been cured, that is, at least 7 days depending on environmental conditions.
- If ADIMAR SUPERFLEX is used in swimming pools, it can be filled again 7 days after application.
- In the case of façade ceramic tiles, a joint of at least 5 mm must be left between the tiles, which must be 2 mm if the product is used indoors, using brackets with these dimensional characteristics. To seal, the use of ADIMAR 0-15 universal joint or 0-16 ADIMAR technical board is recommended. It is also necessary to take into account the use of expansion joints, to make every 30 m² for large format tiles and every 60 m² for small format tiles, as well as 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, plaster plates, it is necessary to check its rigidity so that the result of the application is ideal.

Technical data

Product	Type	C2TES2		Classification according to standard EN 12004-1:2017	
	Colour	White/Gray			
	Density in powder	1,43 g/cm ³			
Application	Barrel water	29%			
	Proportion of the grape	7-7,5 l by 25Kg bag			
	Maturing time	5'			
	Shelf life	4h			
	Opening time	30'	EN 12004-2:2017		
	Adjustment time	40'			
	Approx. consumption	Simple gluing	3,2 Kg/m ²		
		Double gluing	6 Kg/m ²		
	Filling	< 0,5 mm	EN 12004-2:2017		
	Density of the grid	1,55 g/cm ³			
Rejuntat a les:	24h				
Transitable at the:	24h (Light traffic)				
Final Performances	Flexibility	Molt bona			
	Initial adhesion	>1,0N/mm ²	EN 12004-2:2017		
	Adhesion after immersion in water	>1,0 N/mm ²			
	Adhesion after heat wrapping	>1,0 N/mm ²			
	Adhesion after freeze-thaw cycles	>1,0 N/mm ²			
	Adhesion open time, 20':	>0,5 N/mm ²			
	Adhesion open time, 30':	>0,5 N/mm ²			
Transverse deformation	>5 mm				
Storage	12 months	Conservation with closed bag in a covered, dry and ventilated place			
Presentation	25 kg bags				
Rate code	38245090				

Features

Destination	Surface (cm ²)	Flat measures(mm)	Anchor mode	Consumption (kg/m ²)
Indoor	50 < S ≤ 300	U6 (6x6x6)	Simple	3,5
	300 < S ≤ 1200	U9 (9x9x9)	Doble	6
	1200 < S ≤ 2200	U9 (9x9x9)	Doble	6
	2200 < S ≤ 10000	half moon (20x10x8)	Doble	7
Outdoor	500 < S ≤ 3000	U6 (6x6x6)	Doble	5
	300 < S ≤ 1200	U9 (9x9x9)	Doble	6
	1200 < S ≤ 3600	half moon (20x10x8)	Doble	7
AVERAGE PERFORMANCE: 5-5, 5 Kg/m ²				

To know the security precautions of use, storage and elimination of the product, consult the security data sheet available on the site www.aymarsa.es

NOTE: The information on this technical file is based on our experience and trials carried out in specialized laboratories. The characteristics of the product obtained will depend on the preparation and correct application in situ by the user. If these conditions are not met, the characteristics indicated above will not be obtained.



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