

# Adimar Flexible

The ADIMAR FLEXIBLE ceramic tile adhesive manufactured by AYMAR S.A.U. is an adhesive enhanced cement with reduced sliding, prolonged open time and deformable of type C2TES1 in accordance with UNE-EN 12004:2017, designed with marble aggregates, cement and additives special that give it properties of adhesion, sliding and retention of suitable water for the placement of ceramic pieces.

## 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, the Cross-slip slide and deformation.

## Application field

ADIMAR FLEXIBLE has ideal characteristics for the placement of ceramic, marble, stone or similar pieces, small and large format, absorbent or non-absorbing, on mortar revoking supports, concrete, large format brick, marble, terrazzo, prefabricated blocks, plaster, plasterboards, anhydrite, etc. In outdoor applications (façade renovations, etc.) and indoor applications (pavements of large surfaces, etc.). Thanks to its flexibility it is able to withstand thermal shocks and small differential movements produced by the support so it is suitable for underfloor heating and applications in pavements with intense traffic, being even suitable for immersion, for example swimming pools. Suitable for superimposition on old coatings and stoneware floors.

## Usage instructions

- Preparation of support: The support on which the application will be carried out must be resistant, dry, levelled, clean of dust and not present decofrant remains.
- Preparation of the mixture: add 7.5-8.0 l of water per bag and mix manually or mechanically, with an electric mixer with a low number of revolutions, to eliminate all possible presence of lumps in the paste, let the mixture rest 5 min and perform a brief repair.
- Paste application: Apply the product on the support using a toothed flame, to regularize the thickness, in a maximum extension of 2 m<sup>2</sup> by making enough pressure for the minimum contact with the cement to be 80%. Place the tiles by pressing them until you get the grooves crushed and a correct massage of the piece with rubber mace help. It is necessary to check, with the gem of the fingers, periodically that the adhesive has not formed a film on its surface, if this happens, the product must be recombed taking into account that we are still in the margin of the open time of it (if the time slot since its application has exceeded the aforementioned open time, the adhesive must be removed and applied again).

## Recommendations for use

- The application temperature must be between 5 °C and 35 °C on the support.
- Do not apply to supports with residual humidity  $\leq 5\%$ .
- Check the planimetry of the support with a rule of 2 m, verifying that the deviations must be less than 5 mm. In the case of higher deviations, they must be regularized before placement.
- Do not apply if frosts are expected or in full sun.
- It is advisable to leave a minimum joint between 2mm counters applying in it the UNIVERSAL BOARD 0/15 ADIMAR or the TECHNICAL BOARD 0/16.
- On very absorbent supports it is advisable to moisten it and wait for it to be dry.
- Maximum recommended thickness: 10 mm.
- In applications on ceramic pavement it is recommended to remove the poorly attached pieces, perform a superficial scale and a double glueing.
- Always perform double glueing for large format pieces ( sempre 1200cm<sup>2</sup>) or high weight and on supports with underfloor heating, which must be turned off 24 hours before application.
- On deformable supports (gypsum side) it is necessary to check the rigidity of the packaging and that the residual humidity is  $\leq 3\%$ . If the support is weak, apply a superficial hardening treatment by means of an empression.
- Do not apply on dead plasters that have received a thin layer of final plastering.
- The cold rooms must remain out until the adhesive curing is completed, a minimum of 7 days depending on the environmental conditions.
- In case of using it in swimming pools, it can be filled again after 7 days after application.
- For large format ceramics (the longest side of the a tile at 1,\*5m) or for ceramic sheets (3,6m x 1,5m) apply ADIMAR SUPERFLEX.
- On Anhydrite supports it is necessary the prior application of the fixmar 1 GR adhesion promoter

### On facade covering:

Leave a minimum joint of 5 mm applying in it the UNIVERSAL BOARD 0/15 ADIMAR or the TECHNICAL BOARD 0/16. Perform expansion joints every 30 m<sup>2</sup> in large formats or every 60 m<sup>2</sup> in small formats, as well as perimeter joints in ledges, forged salients and respect the structural joints of the building.

To avoid the entry of water into the agarlic layer, which would favor the release in case of frost, protect the edges tops of the coating with metal profiles, shock absorbers, etc.

Do not apply in tiles with high dilation coefficient.


For sizes greater than 2400 cm<sup>2</sup> or weights greater than 40 Kg/m<sup>2</sup> it is essential to use mechanical anchors or safety staples and double glueing.

In ceramic overlays, remove the poorly attached pieces and fill the gaps the day before the application. Ensure that ceramics are free of fats or waxes by proceeding to their scale if necessary.

## Performance

Destination	Surface	Woolly sizes (mm)	Anchor type	Consumption (kg/m <sup>2</sup> )
Indoor	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	half moon(20x10x8)	Double	7
Outdoor	500 < S ≤ 3000	U6 (6x6x6)	Double	5
	300 < S ≤ 1200	U9 (9x9x9)	Double	6
	1200 < S ≤ 3600	half moon(20x10x8)	Double	7
Average performance: 5-5,5 Kg/m <sup>2</sup>				

## Technical data

Product	Type	C2TES1	
	Color	White/Gray	
Application	Water dam	32%	
	Blending ratio	7,5-8,0 l by 25Kg bag	
	Maturation time	5'	
	Open Time	30'	EN 12004-2:2017 apt. 8.1
	Snap time	40'	
	Slide	< 0,5 mm	EN 12004-2:2017 apt. 8.2
	Attached to	24h	
	Transitable to	24h (light traffic)	
Final Performance	Initial adhesion	>1,0N/mm2	EN 12004-2:2017 apt. 8.3
	Adherence after immersion in water	>1,0 N/mm2	
	Adherence after heat aging	>1,0 N/mm2	
	Adherence after ice and melting cycles	>1,0 N/mm2	
	Open time 20" inheritance	>0,5 N/mm2	
	Open time grip 30"	>0,5 N/mm2	
	Transversal deformation	2,5 mm > d < 5 mm	EN 12004-2:2017 apt. 8.6
	Shear grip after heat	1,0 N/mm2	DT11-01Rev. 00 Apdo. 2.2.5.4 Colles à carrelage. CSTB
	Volatile compound emissions (VOCs)		Class A+ according to established limits in Décret No. 2011-321 of France. The scale ranges from A+ ( Very low Emissions) to C (High emissions)
	Class EC1 PLUS according to emission limits of the EMICODE classification. The scale ranges from EC1 PLUS (the strictest emission limits) to EC2 (low emissions)		
Storage	12 months	Store with the closed container and in a covered, dry and ventilated place	
Presentation	25Kg bags		
Tariff code	38245090		

To know the security precautions in the occupation, storage and elimination of the product, consult the Security Datasheet available on the website [www.aymarsa.es](http://www.aymarsa.es)

NOTE: The information contained in this technical sheet is based on our experience and on trials 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 above characteristics will not be achieved.



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