

ADIMAR FLEXIBLE GEL

The adhesive for ceramic tiles Adimar Gel Flexible manufactured by AYMAR S.A.U. is an improved cementitious adhesive without dust and reinforced with polymer fibers. It has a finer grain size that allows a better distribution on the substrate, it has the ability to have, depending on the kneading water, two types of consistencies: gel consistency (creamy, light and thixotropic for vertical application) and fluid consistency (with greater softness and ease of application on horizontal supports). It has reduced slippage, extended open time and is deformable of type C2TES1 in accordance with the UNE-EN 12004:2017 standard, designed with marble aggregates, cement and special additives that give it a high resistance to disengagement and settlement in pieces of high format or weight. In addition to adhesion, sliding and water retention ideal for the placement of ceramic pieces.

Composition

| Component | Description | Regulations |
|-----------|--|-----------------------|
| Arid | Crushed marble aggregates used in construction | EN 12620 EN 13139 |
| Cement | Ciment Portland | EN 197-1 UNE 80601 |
| Additives | Additives of both organic and inorganic nature that give it better characteristics in adhesion, sliding and transverse deformation | |

Field of application

Adimar Flexible Gel has ideal characteristics for placing pieces of ceramic, marble, stone or similar, small and large format, absorbent or non-absorbent, on mortar plastering supports, concrete, large format brick, marble, roof, prefabricated blocks, plasterboard, anhydrite, etc. In outdoor applications (façade cladding, etc.) and indoors (large surface pavements, etc.). Thanks to its flexibility, it is able to resist thermal shocks and small differential movements produced by the support, making it suitable for underfloor heating and applications on pavements with heavy traffic, and is even suitable for immersion, for example swimming pools. Suitable for overlapping on old stoneware wall and floor tiles.

Application Instructions

- Preparation of the substrate: The substrate on which the application will be carried out must be resistant, dry, level, clean of dust and not present traces of formwork.
- Preparation of the mixture: add 7.75-8.25 l of water per bag and mix manually or mechanically, with a low-speed electric mixer, to eliminate any possible presence of lumps in the dough, let the mixture rest for 5 minutes and make a brief remixing.
- Application of the paste: Apply the product on the substrate using a toothed flame, to regularise the thickness, in a maximum extension of 2 m², applying sufficient pressure so that the minimum contact with the cement is **80%**. Place the tiles by pressing them until the grooves are crushed and the piece is properly massed with the help of a rubber mallet. It is necessary to check, with the brush of the fingers, 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 its open time (if the time frame since its application has exceeded the aforementioned open time, the adhesive must be removed and reapplied).

Recommendations for use

- The application temperature should be between 5 ° C and 35 ° C on the substrate.
- Do not apply to substrates with residual moisture > 5%.
- Check the planimetry of the support with a 2 m ruler, verifying that the deviations must be less than 5 mm.
- Do not apply if frost or in full sun is expected
- It is advisable to leave a minimum of 2mm of joint between tiles by applying the UNIVERSAL JOINT 0/15 ADIMAR or the TECHNICAL JOINT 0/16.
- The cold rooms must remain switched off until the curing of the adhesive is complete, a minimum of 7 days depending on environmental conditions.
- If used in swimming pools, it can be refilled after 7 days after application.
- For large format ceramics (the longest side of the tile > to 1.5m) or for ceramic sheets (3.6mx1.5m) apply Adimar Superflex.
- In façade cladding:
 - * Leave a minimum of 5 mm of gasket by applying the ADIMAR UNIVERSAL GASKET 0/15 or the TECHNICAL GASKET 0/16.
 - * Carry out expansion joints every 30 m2 in large formats or every 60 m2 in small formats as well as perimeter joints in cornices, slab protrusions and respect the structural joints of the building.
 - * To prevent water from entering the chill layer, which would favour detachment in the event of frost, protect the upper edges of the cladding with metal profiles, water breaks, etc.
 - * Do not apply to tiles with a high coefficient of expansion.
 - * For sizes greater than 2400 cm2 or weights greater than 40 Kg/m2, the use of mechanical anchors or safety staples and double gluing is essential.
 - * In ceramic overlays, remove the poorly adhered pieces and fill in the gaps the day before application. Make sure that the ceramic is free of grease or wax by polishing it if necessary.
- On highly absorbent substrates, it is advisable to moisten it and wait for it to dry.
- Maximum recommended thickness: 10 mm.
- In applications on ceramic flooring, it is recommended to remove poorly adhered pieces, carry out surface polishing and double gluing.
- Always carry out double gluing for large format pieces (> 1200cm2) or high weight and on supports with radiant heating, which must be turned off 24 hours before application.
- On deformable supports (cardboard-script) the rigidity of the partition must be checked and that the residual humidity is < 3%. If the support is weak, apply a surface hardening treatment using a primer.
- Do not apply to dead plaster that has received a thin layer of final polish.

Returns

| Destination | Surface (cm ²) | Flat measurements (mm) | Docking 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 | half moon (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 performance 5-5,5 Kg/m ² | | | | |

Technical Data

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|--------------------|---|--|-----------------|--|
| Product | Type | C2TES1 | | Classification according to the standard EN 12004-1:2017 |
| | Color | White/Grey | | |
| Application | Kneading water | Thixotropic consistency: 31%-32% Fluid consistency: 33%-34% | | |
| | Mixing Ratio | 7,75-8,25 l for bag of 25Kg | | |
| | Ripening time | 5' | | |
| | Open time | 30' | EN 12004-2:2017 | |
| | Adjustment Time | 40' | | |
| | Sliding | < 0,5 mm | EN 12004-2:2017 | |
| | Grouting at the | 24h | | |
| Transitable at the | 24h (light traffic) | | | |
| Final yields | Initial adhesion | >1,0N/mm ² | EN 12004-2:2017 | |
| | Adhesion after immersion in water | >1,0N/mm ² | | |
| | Adhesion after heat aging | >1,0N/mm ² | | |
| | Adherència després de cicles de gel-desglaç | >1,0N/mm ² | | |
| | Adhesion open time, 20' | >0,5 N/mm ² | | |
| | Adhesion open time, 30' | >0,5 N/mm ² | | |
| | Transverse deformation | 2,5 mm > d < 5 mm | | |
| Storage | 12 Months | Store with the container closed and in a covered, dry and ventilated place | | |
| Presentation | Bags of 25 kg | | | |
| HS Code | 38245090 | | | |

To find out about the safety precautions in the use, storage and disposal of the product, consult 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 above characteristics will not be achieved.



Plant & Offices
Ctra. C-35, Km 58 · Ap. correos n°1
08470 SANT CELONI (Barcelona)

Tel. (+34) 93 867 00 00

aymar@aymarsa.es
www.aymarsa.es

