



Forcol®

PRO MAX

Cementitious Adhesive C1



20 Kg

FORCOL PRO MAX is a cement-based adhesive suitable for installing interior wall and floor tiles with medium/high absorption on mortar substrates.

COMPOSITION

FORCOL PRO MAX is formulated with white or grey cement, selected aggregates, and organic and inorganic additives.

APPLICATION

Cement-based adhesive suitable for installing indoor wall and floor tiles with medium/high absorption on mortar substrates.

PROPERTIES

- ▶ Subject to rigorous quality control.
- ▶ Complies with Spanish and European standards (UNE, EN).
- ▶ Guaranteed homogeneity, manufactured with advanced dosing and weighing systems.
- ▶ Easy to apply.
- ▶ High adhesion to the substrate.
- ▶ Excellent water retention capacity.

SUITABLE SUBSTRATES

- ▶ Concrete floors and cement-based surfaces.
- ▶ Interior plastered coatings.

SUBSTRATE CONDITIONS:

Substrates must meet the following conditions:

- ▶ Must be resistant and free of dust, grease, paint, water repellents, antifreeze, etc.
- ▶ Remove degraded or loose areas.
- ▶ Check flatness with a 2-meter ruler; deviations must be less than 5 mm. Level with the same product 48 hours before installation. For thicknesses over 10 mm, use traditional mortars.
- ▶ Do not use on metal or wood surfaces.
- ▶ If exposed to sun or highly absorbent, moisten the surface beforehand.
- ▶ Do not apply on substrates with moisture above 3%.
- ▶ Not suitable for outdoor use.
- ▶ For other substrates or questionable adhesion, consult the Technical Department.

COVERAGE

Approximate consumption:

- ▶ 44.5 Kg/m² for single bonding.
- ▶ 7 Kg/m² for double bonding. Flatness variations may affect coverage.

PRESENTATION

- ▶ Powder product.
- ▶ 20 Kg multi-layer paper bags with moisture-resistant film.
- ▶ 1440 Kg pallets (72 bags), shrink-wrapped for rain protection (simple shrink-wrap in summer).
- ▶ Available in white and grey. Color indicated on all sides of the bag.

STORAGE

12 months from manufacturing date in original sealed packaging, stored in a cool, ventilated, dry place.

NOTES

All products undergo quality control in our lab and certified labs. For inquiries about new products or technical advice, contact our design department at:

- ▶ Phone: +34 964 343 300
- ▶ Email: comercial.forcol@origenmateriales.es.

WARNING

This information is based on our tests and experience. Recommendations do not imply any warranty, as application conditions are beyond our control. Users must ensure the product is suitable for their intended use and are advised to conduct a detailed evaluation before large-scale application.

INSTRUCTIONS FOR USE

1. Mix FORCOL PRO MAX with approx. 22% water for grey (4.2–4.6 L per 20 Kg bag) or 23% for white (4.4–4.8 L per 20 Kg bag).
2. Stir manually or mechanically until a homogeneous, lump-free mix is obtained. Use a slow electric mixer (500 rpm). Lower speeds introduce air, reducing adhesive strength.
3. Let the mix rest for 10 minutes, then homogenize.
4. Use full bags, add the same amount of water, and mix simultaneously for consistent mortar.
5. Apply with a notched trowel in small sections from bottom to top to regulate thickness. Ensure mortar ridges retain their shape.
6. Place ceramic tiles and press from top to bottom to flatten ridges and ensure uniform distribution. For tiles with smooth backs or deep grooves, apply adhesive to the back as well.

APPLICATION PRECAUTIONS

- ▶ Respect water ratio to avoid shrinkage and poor adhesion.
- ▶ If hardened, re-stir to restore plasticity.
- ▶ In extreme conditions (heat or wind), check for surface film formation. If present, re-comb the adhesive. Do not moisten with water it creates an anti-adhesive layer.
- ▶ Protect ceramic coverings from expansion/contraction with proper joint treatment.
- ▶ Prevent water ingress between tile and substrate; use cornices, drip edges, etc.
- ▶ Wind reduces open time, affecting adhesion.
- ▶ Do not use where stagnant water is present.
- ▶ Use double bonding for tiles with sides over 30 cm.
- ▶ Max weight on vertical surfaces: 40 Kg/m².
- ▶ Press tiles firmly to avoid voids.
- ▶ Not suitable for heated floors.
- ▶ Periodically check tackiness by lifting a tile.
- ▶ Proper installation depends heavily on workmanship and substrate conditions.

TECHNICAL DATA:

Classification: UNE-EN 12004	C1
Mixing water (grey):	22 ± 1%
Mixing water (white):	23 ± 1%
Application temperature:	5 - 30 °C
Powder density:	1,4 ± 0,05 Kg/L
Paste density:	1,6 ± 0,05 Kg/L
Initial adhesion:	≥ 0,5 N/mm ²
Adhesion after water immersion:	≥ 0,5 N/mm ²
Adhesion after heat aging:	≥ 0,5 N/mm ²
Adhesion after freeze-thaw cycles:	≥ 0,5 N/mm ²
Open time:	20 minutes
Adjustment time:	≤ 20 minutes
Pot life:	90 minutes
Joint filling:	24 hours
Walkable: after	48 hours
Full service: after	14 days
Rest time after mixing:	5 minutes
Max application thickness:	10 mm
Fire reaction:	Class A1



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