



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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Forcol®

MULTI TECH

Cementitious Adhesive CITE



FORCOL MULTI TECH is a cement-based adhesive with reduced slip and extended open time, suitable for applying medium/high absorption ceramic tiles indoors and outdoor floors on mortar renderings, for indoor application on plasterboard substrates, and for installing mosaic tiles, glass blocks, and small/medium-format low-absorption ceramic tiles on interior floors. Product certified by the Scientific and Technical Center for Building (CSTB) (Qb mark).

COMPOSITION

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

APPLICATION

Cement-based adhesive suitable for medium/high absorption ceramic tiles indoors and outdoor flooring over mortar renderings. Also suitable for indoor use on plasterboard substrates and for installing mosaic tiles, glass blocks, and low absorption ceramics of small/medium format on indoor floors.

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.

SUITABLE SUBSTRATES

- ▶ Concrete floors and cement-based surfaces.
- ▶ Interior mortar renderings.

SUBSTRATE CONDITIONS:

Substrates must meet the following conditions:

- ▶ Must be strong 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 beforehand.
- ▶ Do not apply on substrates with moisture above 3%.
- ▶ For other substrates or uncertain adhesion, consult the Technical Department at +34 964 343 300 or Email: comercial.forcol@origenmateriales.es.

COVERAGE

Approximate consumption:

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

PRESENTATION

- ▶ Powder product sold in approx. 20 Kg multi-layer paper bags with moisture-resistant bottom film.
- ▶ Pallet: 1440 Kg (72 bags), shrink-wrapped for rain protection (simple wrapping 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

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INSTRUCTIONS FOR USE

1. Mix FORCOL MULTI TECH 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 lump-free, homogeneous mix is obtained. Use a slow electric mixer (500 rpm); slower speeds introduce air and reduce adhesive strength.
3. Let the mix rest for 5 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 the mortar ridges retain their shape.
6. Place ceramic materials 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 mixing water ratio to avoid shrinkage and poor adhesion.
- ▶ If hardened, re-stir to restore plasticity.
- ▶ In extreme conditions (high temperature or wind), check for surface film formation. Remove by re-troweling. 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 substrate and tile; use cornices, drip edges, etc.
- ▶ Wind reduces open time and adhesion.
- ▶ Do not use where standing water is present.
- ▶ Double bonding recommended for tiles with sides over 30 cm.
- ▶ Max weight on vertical surfaces: 40 Kg/m².
- ▶ Max tile size on vertical surfaces: 2200 cm².
- ▶ Press tiles firmly to ensure full contact and avoid voids.
- ▶ Not suitable for heated floors.
- ▶ Periodically check tackiness by lifting a tile.
- ▶ Installation quality depends heavily on workmanship and substrate conditions.

TECHNICAL DATA:

Classification: UNE-EN 12004	CITE
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:	30 minutes
Adjustment time:	≤ 30 minutes
Pot life:	90 minutes
Joint filling:	24 hours
Walkable:	48 hours
Final service time:	14 days
Rest time after mixing:	5 minutes
Max application thickness:	10 mm
Fire reaction:	Class A1



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Forcol®

EXTRA

Cementitious adhesive C2



20 Kg



FORCOL EXTRA is an improved cementitious adhesive suitable for indoor and outdoor wall and floor tiling with medium/low absorption ceramics on mortar substrates. Also suitable for baseboards.

COMPOSITION

FORCOL EXTRA is formulated from white or gray cement, selected aggregates, and organic and inorganic additives.

APPLICATION

FORCOL EXTRA is a cement-based adhesive with enhanced properties suitable for interior wall and floor tiles and exterior pavements of medium/low absorption ceramics on mortar substrates. Also for skirting boards.

PROPERTIES

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

SUITABLE SUBSTRATES

- ▶ Concrete or cement-based floors and interior plastered surfaces.

SUBSTRATE CONDITIONS:

Substrates must meet the following conditions:

- ▶ Must be strong and free from dust, grease, paint, waterproofing agents, antifreeze, etc.
- ▶ Remove degraded or loose areas.
- ▶ Check flatness with a 2-meter straightedge; deviations must be less than 5 mm.
- ▶ If necessary, level with the same product 48 hours before installation. For thicknesses over 10 mm, use traditional mortars.
- ▶ Do not apply on metal or wood surfaces.
- ▶ If the surface is exposed to sunlight or is highly absorbent, moisten it beforehand.
- ▶ Do not apply on substrates with moisture higher than 3%.
- ▶ For other substrates or uncertain adhesion, consult the Technical Department at +34 964 343 300 or Email: comercial.forcol@origenmateriales.es.

COVERAGE

Approximate consumption of FORCOL EXTRA:

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

PRESENTATION

FORCOL EXTRA is supplied as a dry powder in:

- ▶ 20 Kg multi-layer paper bags with moisture-proof inner film.
- ▶ Pallets of 1440 Kg (72 bags), shrink-wrapped and prepared to resist rain if hermetically closed.
- ▶ In summer months, single shrink-wrap is used.
- ▶ Colors: white and gray (clearly 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

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INSTRUCTIONS FOR USE

1. Mix FORCOL EXTRA with approximately 22% water if gray (4.2–4.6 L per 20 Kg bag) or 23% if white (4.4–4.8 L per 20 Kg bag).
2. Mix manually or mechanically until homogeneous and lump-free. Use a slow-speed electric mixer (≈ 500 rpm); slower mixing introduces air and reduces adhesive strength.
3. Allow the mixture to rest for 5 minutes, then remix.
4. For uniform mortar characteristics, use full bags and the same water ratio.
5. Apply with a notched trowel in small sections from bottom to top to regulate thickness. Ensure ridges maintain their shape.
6. Place the ceramic materials and press using a vertical motion to collapse ridges and ensure full contact.
7. Better adhesion is achieved when installation occurs shortly after spreading. For very smooth or deeply grooved tiles, apply adhesive also to the back.

APPLICATION PRECAUTIONS

- ▶ Respect the indicated water ratio; excess water causes shrinkage and poor adhesion.
- ▶ If the adhesive hardens, remix to recover workability.
- ▶ Under extreme conditions (high temperature, wind), ensure no surface film has formed; if it has, re-trowel. Never wet with water, as this forms an anti-adhesive layer.
- ▶ Protect ceramic coverings from expansion and contraction with proper joint treatment.
- ▶ Avoid water infiltration between substrate and tile during installation; use protective elements like drip edges or ledges.
- ▶ Wind reduces open time, decreasing adhesion.
- ▶ Do not use when standing water is present.
- ▶ Double bonding recommended for tiles with any side exceeding 30 cm.
- ▶ Maximum vertical load: 40 Kg/m².
- ▶ Press tiles firmly to ensure full contact and avoid voids.
- ▶ Not suitable for radiant-heated floors.
- ▶ Regularly check tackiness by lifting a tile after placement.
- ▶ Workmanship and substrate quality are critical — follow product conditions strictly.

TECHNICAL DATA:

Classification (UNE-EN 12004)	C2
Mixing water (gray)	22 $\pm$ 1%
Mixing water (white)	23 $\pm$ 1%
Application temperature	5 - 30 °C
Density (powder)	1,4 $\pm$ 0,05 Kg/L
Density (paste)	1,6 $\pm$ 0,05 Kg/L
Initial adhesion	≥ 1 N/mm ²
Adhesion after water immersion	≥ 1 N/mm ²
Adhesion after heat aging	≥ 1 N/mm ²
Adhesion after freeze-thaw cycles	≥ 1 N/mm ²
Open time	20 minutes
Adjustment time	≤ 20 minutes
Pot life	90 minutes
Grouting time	24 hours
Walkable	48 hours
Full service strength	14 days
Resting time after mixing	5 minutes
Maximum layer thickness	10 mm
Reaction to fire	Class A1



C2



* Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).



EN 12004:2007+A1:2012
0370
DP 04-12004

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Forcol®

PORCELÁNICO

Cementitious adhesive C2T



FORCOL PORCELÁNICO is a cement-based adhesive specially designed for the installation of ceramic tiles, porcelain stoneware, marble, stone, or similar materials, whether small or large format, absorbent or non-absorbent, on indoor and outdoor floors, outdoor baseboards, or indoor walls. Also suitable for the installation of glass blocks.

COMPOSITION

FORCOL PORCELÁNICO is formulated with white or grey cement, selected aggregates, organic and inorganic additives, and resins that improve workability, water retention capacity, and product adhesion.

APPLICATION

Cement-based adhesive specially designed for installing ceramic tiles, porcelain stoneware, marble, stone, or similar materials, whether absorbent or non-absorbent, in indoor and outdoor floors, outdoor baseboards, or indoor walls. Also suitable for installing glass blocks.

PROPERTIES

- ▶ Product subjected 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.
- ▶ Excellent for installing glass blocks and mosaic tiles in humid areas.

SUITABLE SUBSTRATES

- ▶ Concrete and cement-based floors and plastered coatings, both exterior and interior.

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 parts.
- ▶ For installation on old non-absorbent floors, apply a primer.
- ▶ Do not apply on substrates with moisture content above 3%.
- ▶ For other substrates or questionable adhesion, consult the Technical Support Department at +34 964 343 300 or email comercial.forcol@origenmateriales.es, or refer to the application recommendation table.

COVERAGE

Approximate consumption of FORCOL PORCELÁNICO:

- ▶ 4.5 kg/m² for single bonding.
- ▶ 7 kg/m² for double bonding.
- ▶ Flatness variations may affect coverage.

PRESENTATION

FORCOL PORCELÁNICO is a powdered product and is available in:

- ▶ Approx. 20 kg multi-layer paper bags with moisture-proof bottom film.
- ▶ 1440 kg pallet (72 bags) palletized and shrink-wrapped for rainwater protection, provided they remain hermetically sealed. In summer, shrink-wrapping is single-layer.
- ▶ Color: white and grey. Color identification is shown on all sides of the bag.

STORAGE

12 months from the manufacturing date, in original sealed packaging, stored in a cool, well-ventilated place, protected from moisture.

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

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INSTRUCTIONS FOR USE

1. Mix FORCOL EXTRA with approximately 22% water if gray (4.2–4.6 L per 20 Kg bag) or 23% if white (4.4–4.8 L per 20 Kg bag).
2. Mix manually or mechanically until homogeneous and lump-free. Use a slow-speed electric mixer (≈ 500 rpm); slower mixing introduces air and reduces adhesive strength.
3. Allow the mixture to rest for 5 minutes, then remix.
4. For uniform mortar characteristics, use full bags and the same water ratio.
5. Apply with a notched trowel in small sections from bottom to top to regulate thickness. Ensure ridges maintain their shape.
6. Place the ceramic materials and press using a vertical motion to collapse ridges and ensure full contact.
7. Better adhesion is achieved when installation occurs shortly after spreading. For very smooth or deeply grooved tiles, apply adhesive also to the back.

APPLICATION PRECAUTIONS

- ▶ Respect the mixing water ratio. Excess water causes shrinkage and poor adhesion. If the product hardens, re-stir to restore plasticity.
- ▶ In extreme conditions (high temperature or wind), check for surface film formation. This film reduces adhesion and should be removed by re-combing the adhesive. Never moisten with water, as it creates an anti-adhesive layer.
- ▶ Protect ceramic coverings from expansion and contraction with proper joint treatment.
- ▶ Avoid water penetration between substrate and tile during installation.
- ▶ Wind reduces open time and adhesion.
- ▶ Do not use where standing water is present.
- ▶ Double bonding is recommended for formats where at least one side exceeds 30 cm. For high-security applications, max vertical load: 40 kg/m^2 , max format: $40 \times 60 \times 1.5 \text{ cm}$.
- ▶ Press tiles firmly to ensure full contact and avoid voids.
- ▶ For radiant floor heating, turn off 24 hours before installation.
- ▶ Periodically check tackiness by lifting a tile.
- ▶ Proper installation depends heavily on workmanship and substrate condition.

TECHNICAL DATA:

Classification (UNE-EN 12004)	C2T
Mixing water (grey)	$22 \pm 1\%$
Mixing water (white)	$23 \pm 1\%$
Application temperature	$5 - 30^\circ \text{C}$
Powder density	$1,4 \pm 0,05 \text{ Kg/L}$
Paste density	$1,6 \pm 0,05 \text{ Kg/L}$
Initial adhesion	$\geq 1 \text{ N/mm}^2$
Adhesion after water immersion	$\geq 1 \text{ N/mm}^2$
Adhesion after heat aging	$\geq 1 \text{ N/mm}^2$
Adhesion after freeze-thaw cycles	$\geq 1 \text{ N/mm}^2$
Open time	20 minutes
Adjustment time	≤ 20 minutes
Pot life	90 minutes
Joint grouting	24 hours
Walkable	48 hours
Final service time	14 days
Rest time after mixing	5 minutes
Max application thickness	10 mm
Fire reaction	Class A1



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Forcol® FLEXIBLE

Cementitious adhesive C2TE



FORCOL FLEXIBLE is a cement-based adhesive specially designed for installing ceramic tiles, porcelain stoneware, marble, stone, or similar materials whether small or large format, absorbent or non-absorbent on large surface floors, both indoors and outdoors, high-traffic floors, and over existing flooring. Also suitable for exterior wall tiling where minimum deformability is not required..

COMPOSITION

Formulated with white or grey cement, selected aggregates, organic and inorganic additives, and resins that improve workability, water retention, and adhesion.

APPLICATION

Ideal for:

- ▶ Ceramic and porcelain tiles
- ▶ Marble and stone
- ▶ Small and large formats
- ▶ Absorbent and non-absorbent materials
- ▶ Large surface floors
- ▶ Indoor and outdoor use
- ▶ High-traffic areas
- ▶ Existing flooring
- ▶ Exterior wall tiling (non-deformable)

PROPERTIES

- ▶ Subject to rigorous quality control
- ▶ Complies with Spanish and European standards (UNE, EN)
- ▶ Guaranteed homogeneity through advanced dosing and weighing systems
- ▶ Easy to apply
- ▶ High adhesion to substrates
- ▶ Excellent water retention
- ▶ Suitable for high-traffic flooring due to its flexibility, adhesion, and high compressive and shear strength.

SUITABLE SUBSTRATES

- ▶ Concrete and cement-based floors
- ▶ Interior mortar renderings.

SUBSTRATE CONDITIONS:

Substrates must meet the following conditions:

- ▶ Must be strong 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
- ▶ If exposed to sun or highly absorbent, moisten the substrate beforehand

- ▶ Do not apply on substrates with moisture above 3%
- ▶ For other substrates or uncertain adhesion, contact Technical Support: +34 964 343 300 or comercial.forcol@origenmateriales.es

CONSUMPTION

- ▶ Approx. 4.5 kg/m² for single bonding
- ▶ Approx. 7 kg/m² for double bonding
- ▶ Flatness variations may affect consumption.

PACKAGING

- ▶ Powder product in approx. 20 kg multi-layer paper bags with moisture-resistant bottom film
- ▶ Pallet: 1440 kg (72 bags), shrink-wrapped for rain protection (simple wrapping 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

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

WARNING

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INSTRUCTIONS FOR USE:

FORCOL FLEXIBLE / Cementitious adhesive C2TE

1. Mix FORCOL FLEXIBLE with approx. 22% water (4.2–4.6 L per 20 kg grey bag) or 23% (4.4–4.8 L per 20 kg white bag)
2. Stir manually or mechanically until a lump-free, homogeneous paste is obtained (use a slow electric mixer at 500 rpm; slower speeds introduce air and reduce strength)
3. Let the mix rest for 5 minutes, then homogenize again
4. Use full bags, add the same amount of water, and mix all at once for consistent mortar
5. Apply with a notched trowel in small areas from bottom to top to regulate thickness; ensure mortar ridges retain their shape
6. Place tiles and press from top to bottom until ridges are flattened and product is evenly distributed; for very smooth or highly grooved backs, apply adhesive to the back of the tile as well

PRECAUTIONS / RECOMMENDATIONS:

- ▶ Respect mixing water ratio to avoid shrinkage and poor adhesion; re-stir to restore consistency
- ▶ In extreme conditions (high temperatures, strong winds), check for surface film formation; remove by re-troweling; never moisten with water (creates anti-adhesive layer)
- ▶ Protect tiles from expansion/contraction with proper joint treatment
- ▶ Prevent water ingress between tile and substrate; use cornices, drip edges, etc.
- ▶ Wind reduces open time and adhesion
- ▶ Do not use in presence of standing water
- ▶ Double bonding recommended for tiles with sides over 30 cm
- ▶ For formats over 60x40 cm or weights over 40 kg/m², mechanical anchors are recommended
- ▶ Press tiles firmly to ensure full contact and avoid voids.
- ▶ On facades, create expansion joints and perimeter joints at cornices, slab edges, etc., and respect structural joints
- ▶ Periodically check tackiness by lifting a tile
- ▶ Installation quality depends heavily on workmanship and substrate conditions

TECHNICAL DATA:

Classification: UNE-EN 12004	C2TE
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:	≥ 1 N/mm ²
Adhesion after water immersion:	≥ 1 N/mm ²
Adhesion after heat aging:	≥ 1 N/mm ²
Adhesion after freeze-thaw cycles:	≥ 1 N/mm ²
Slip:	≤ 0,5 mm
Open time:	30 minutes
Adjustment time:	≤ 30 minutes
Pot life:	90 minutes
Joint filling:	24 hours
Walkable:	48 hours
Final service time:	14 days
Rest time after mixing:	5 minutes
Max application thickness:	10 mm
Fire resistance:	Class A1



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Forcol®

FLEXIBLE DEFORMABLE

Cementitious adhesive C2TES1



FORCOL FLEXIBLE DEFORMABLE is a cement-based adhesive specially designed for installing ceramic tiles, porcelain stoneware, marble, stone, or similar materials whether small or large format, absorbent or non-absorbent on façades, large surface floors, radiant heating floors, and high-traffic areas, both indoors and outdoors.

COMPOSITION

Formulated with white or grey cement, selected aggregates, organic and inorganic additives, and resins that improve workability, water retention, and adhesion.

APPLICATION

Ideal for:

- ▶ Ceramic and porcelain tiles
- ▶ Marble and stone
- ▶ Small and large formats
- ▶ Absorbent and non-absorbent materials
- ▶ Façade cladding
- ▶ Large surface floors
- ▶ Radiant heating floors
- ▶ High-traffic areas
- ▶ Indoor and outdoor use

PROPERTIES

- ▶ Subject to rigorous quality control
- ▶ Complies with Spanish and European standards (UNE, EN)
- ▶ Guaranteed homogeneity through advanced dosing and weighing systems
- ▶ Easy to apply
- ▶ High adhesion to substrates
- ▶ Excellent water retention
- ▶ High flexibility and adhesion, with strong compressive and shear resistance
- ▶ Excellent performance on façades, resisting thermal shocks and minor structural movement.

SUITABLE SUBSTRATES

- ▶ Concrete and cement-based floors
- ▶ Interior and exterior mortar renderings.

SUBSTRATE CONDITIONS

Substrates must meet the following conditions:

- ▶ Must be strong 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.

- ▶ If exposed to sun or highly absorbent, moisten the substrate beforehand.
- ▶ For old non-absorbent flooring, apply a primer.
- ▶ Do not apply on substrates with moisture above 3%.
- ▶ For other substrates or uncertain adhesion, contact Technical Support: +34 964 343 300 or comercial.forcol@origenmateriales.es.

CONSUMPTION

- ▶ Approx. 4.5 kg/m² for single bonding.
- ▶ Approx. 7 kg/m² for double bonding.
- ▶ Flatness variations may affect consumption.

PACKAGING

- ▶ Powder product in approx. 20 kg multi-layer paper bags with moisture-resistant bottom film
- ▶ Pallet: 1440 kg (72 bags), shrink-wrapped for rain protection (simple wrapping 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.

1. Mix FORCOL FLEXIBLE DEFORMABLE with approx. 22% water (4.2–4.6 L per 20 kg grey bag) or 23% (4.4–4.8 L per 20 kg white bag)
2. Stir manually or mechanically until a lump-free, homogeneous paste is obtained (use a slow electric mixer at 500 rpm; slower speeds introduce air and reduce strength)
3. Let the mix rest for 5 minutes, then homogenize again
4. Use full bags, add the same amount of water, and mix all at once for consistent mortar
5. Apply with a notched trowel in small areas from bottom to top to regulate thickness; ensure mortar ridges retain their shape
6. Place tiles and press from top to bottom until ridges are flattened and product is evenly distributed; for very smooth or highly grooved backs, apply adhesive to the back of the tile as well

PRECAUTIONS / RECOMMENDATIONS

- ▶ Respect mixing water ratio to avoid shrinkage and poor adhesion; re-stir to restore consistency
- ▶ In extreme conditions (high temperatures, strong winds), check for surface film formation; remove by re-troweling; never moisten with water (creates anti-adhesive layer)
- ▶ Protect tiles from expansion/contraction with proper joint treatment
- ▶ Prevent water ingress between tile and substrate; use cornices, drip edges, etc.
- ▶ Wind reduces open time and adhesion
- ▶ Do not use in presence of standing water
- ▶ Double bonding recommended for tiles with sides over 30 cm
- ▶ For vertical applications: max weight 40 kg/m², max format 40x60x1.5 cm
- ▶ For formats over 50x40 cm or weights over 30 kg/m², mechanical anchors are recommended
- ▶ Press tiles firmly to ensure full contact and avoid voids
- ▶ On façades, create expansion and perimeter joints, and respect structural joints
- ▶ For radiant heating floors, turn off heating 24 hours before installation
- ▶ Periodically check tackiness by lifting a tile
- ▶ Installation quality depends heavily on workmanship and substrate conditions.

TECHNICAL DATA

Classification: UNE-EN 12004	C2TES1
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:	≥ 1 N/mm ²
Adhesion after water immersion:	≥ 1 N/mm ²
Adhesion after heat aging:	≥ 1 N/mm ²
Adhesion after freeze-thaw cycles:	≥ 1 N/mm ²
Slip:	≤ 0,5 mm
Deformability:	≤ 2,5 mm and ≤ 5,0 mm
Open time:	30 minutes
Adjustment time:	≤ 30 minutes
Pot life:	90 minutes
Joint filling:	24 hours
Walkable:	48 hours
Full curing:	14 days
Rest time after mixing:	5 minutes
Max application thickness:	10 mm
Fire resistance:	Class A1



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Forcol® FLEXIGEL

Cementitious adhesive C2TE



FORCOL FLEXIGEL is a cement-based adhesive with excellent workability, suitable for installing tiles on large floor areas, high-traffic surfaces, and over existing flooring.



COMPOSITION

FORCOL FLEXIGEL is formulated with white cement, selected aggregates, organic and inorganic additives, and resins that improve workability, water retention capacity, and product adhesion.

APPLICATION

FORCOL FLEXIGEL is a cement-based adhesive with excellent workability, specially designed for installing ceramic tiles, porcelain stoneware, marble, stone, or similar materials of small or large format, whether absorbent or non-absorbent, on large surface floors, both indoors and outdoors, high-traffic floors, and over existing flooring.

PROPERTIES

- ▶ Product subjected to rigorous quality control.
- ▶ Complies with Spanish and European standards (UNE, EN).
- ▶ Guaranteed homogeneity, manufactured in facilities with advanced dosing and weighing systems.
- ▶ Easy to apply.
- ▶ High adhesion to the substrate.
- ▶ Excellent water retention.
- ▶ Gel-like appearance with high consistency and low viscosity for easier application.
- ▶ Outstanding workability.

SUITABLE SUBSTRATES

- ▶ Concrete floors and cement-based surfaces, both interior and exterior plastered coatings.

SUBSTRATE CONDITIONS:

- ▶ Must be strong and free of dust, grease, paint, water repellents, antifreeze, etc.
- ▶ Remove degraded or loose areas.
- ▶ Check flatness with a 2-meter straightedge; 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 apply on metal or wood surfaces.
- ▶ Do not apply on substrates with moisture above 3%.
- ▶ For other substrates or doubtful adhesion, consult our Technical Department at +34 964 343 300 or email comercial.forcol@origenmateriales.es.

COVERAGE

Approximate consumption:

- ▶ 4.0 - 4.5 Kg/m² for single bonding.
- ▶ 6.5 - 7.0 Kg/m² for double bonding.

Flatness variations may affect consumption.

PRESENTATION

FORCOL FLEXIGEL is a powdered product and is marketed in:

- ▶ 20 Kg bags with multi-layer paper and moisture-proof film.
- ▶ Pallet: 1440 Kg (72 bags), shrink-wrapped for rain protection.
- ▶ Color: White or grey (indicated on all sides of the bag).

STORAGE

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

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INSTRUCTIONS FOR USE

1. Mix FORCOL FLEXIGEL with approx. 28 ±1% water (5.4 – 5.8 liters per 20 Kg bag).
2. Stir manually or mechanically until a homogeneous, lump-free mixture is obtained (use a slow electric mixer at 500 rpm).
3. Let the mixture rest for 5 minutes, then homogenize again.
4. Use full bags for consistent mortar properties, adding the same amount of water and mixing simultaneously.
5. Spread FORCOL FLEXIGEL on the substrate with a notched trowel in small sections from bottom to top. Ensure the mortar ridges maintain their shape.
6. Place ceramic pieces and press with a vertical motion until ridges collapse for uniform distribution. For tiles with smooth backs or deep grooves, apply adhesive on the back as well..

APPLICATION PRECAUTIONS

- ▶ Respect the mixing water ratio; failure to do so may cause shrinkage and poor adhesion of the cement adhesive. If the product hardens, simply remix it to restore its original plasticity.
- ▶ Under extreme conditions (especially high temperatures or strong winds), check that no surface film has formed on the cement adhesive. This film reduces adhesion; remove it by re-combing the adhesive. Never moisten with water, as this creates an anti-adhesive layer.
- ▶ Protect ceramic coverings from expansion and contraction with proper joint treatment.
- ▶ During installation, avoid water penetration between the substrate and the tile, and ensure final protection with cornices, drip edges, etc.
- ▶ Wind reduces the open time of the cement adhesive, resulting in poorer adhesion.
- ▶ Do not use when standing water is present.
- ▶ Use double bonding for formats where at least one side exceeds 30 cm in length. For sizes larger than 60×40 cm or weights over 40 Kg/m², mechanical anchors are recommended.
- ▶ When installing, press the tiles firmly to achieve full bedding and avoid gaps between tiles and substrate.
- ▶ On façades, create expansion joints as well as perimeter joints at cornices, slab edges, etc., and respect the building's structural joints.
- ▶ Periodically check the tackiness of the adhesive by lifting a previously placed tile.
- ▶ This is an installation system where labor and substrate play a fundamental role; precautions must be taken and material usage conditions strictly observed.

TECHNICAL DATA:

Classification: UNE-EN 12004	C2TE
Mixing water:	28 ± 1%
Application temperature:	5 - 30 °C
Powder density:	1,4 ± 0,05 Kg/L
Paste density:	1,6 ± 0,05 Kg/L
Initial adhesion:	≥ 1 N/mm ²
Adhesion after water immersion:	≥ 1 N/mm ²
Adhesion after heat aging:	≥ 1 N/mm ²
Adhesion after freeze-thaw cycles:	≥ 1 N/mm ²
Slip:	≤ 0.5 mm
Extended open time adhesion (30 min):	≥ 0,5 N/mm ²
Open time:	30 minutes
Adjustment time:	≤ 30 minutes
Pot life:	90 minutes
Grouting time:	24 hours
Walkability:	48 hours
Final service:	14 days
Rest time after mixing:	5 minutes
Max thickness:	10 mm
Fire reaction:	Class A1



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Forcol®

FLEXIGEL EXCLUSIVE

Cementitious adhesive C2TES1



FORCOL FLEXIGEL EXCLUSIVE is a white or grey cement-based adhesive with excellent workability, specially designed for installing ceramic tiles, porcelain stoneware, marble, stone, or similar materials whether small or large format, absorbent or non-absorbent on façades, large surface floors, radiant heating floors, and high-traffic areas, both indoors and outdoors.

COMPOSITION

Formulated with white cement, selected aggregates, organic and inorganic additives, and resins that improve workability, water retention, and adhesion.

APPLICATION

Ideal for

- ▶ Ceramic and porcelain tiles
- ▶ Marble and stone
- ▶ Small and large formats
- ▶ Absorbent and non-absorbent materials
- ▶ Façade cladding
- ▶ Large surface floors
- ▶ Radiant heating floors
- ▶ High-traffic pavements
- ▶ Indoor and outdoor use

PROPERTIES

- ▶ Subject to rigorous quality control
- ▶ Complies with Spanish and European standards (UNE, EN)
- ▶ Guaranteed homogeneity through advanced dosing and weighing systems
- ▶ Easy to apply
- ▶ High adhesion to substrates
- ▶ Excellent water retention
- ▶ Suitable for high-traffic flooring due to flexibility, adhesion, and high compressive and shear strength
- ▶ Excellent performance on façades, resisting thermal shocks and minor structural movements
- ▶ Gel-like texture with high consistency and low viscosity for easier application
- ▶ Excellent workability.

SUITABLE SUBSTRATES

- ▶ Concrete and cement-based floors
- ▶ Interior and exterior mortar renderings.

SUBSTRATE CONDITIONS:

Substrates must meet the following conditions:

- ▶ Must be strong 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
- ▶ If exposed to sun or highly absorbent, moisten the substrate beforehand

- ▶ Do not use on metal or wood
- ▶ Do not apply on substrates with moisture above 3%
- ▶ For other substrates or uncertain adhesion, contact Technical Support:
- ▶ +34 964 343 300 or comercial.forcol@origenmateriales.es.

COVERAGE

- ▶ Approx. 4.0–4.5 kg/m² for single bonding
- ▶ Approx. 6.5–7.0 kg/m² for double bonding
- ▶ Flatness variations may affect consumption.

PRESENTATION

- ▶ Powder product in approx. 20 kg multi-layer paper bags with moisture-resistant bottom film
- ▶ Pallet: 1440 kg (72 bags), shrink-wrapped for rain protection (simple wrapping in summer)
- ▶ Color: white (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

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INSTRUCTIONS FOR USE

1. Mix FORCOL FLEXIGEL EXCLUSIVE with approx. $26 \pm 1\%$ water (5.0–5.4 L per 20 kg bag)
2. Stir manually or mechanically until a lump-free, homogeneous paste is obtained (use a slow electric mixer at 500 rpm)
3. Let the mix rest for 5 minutes, then homogenize again
4. Use full bags, add the same amount of water, and mix all at once for consistent mortar
5. Apply with a notched trowel in small areas from bottom to top to regulate thickness; ensure mortar ridges retain their shape
6. Place tiles and press from top to bottom until ridges are flattened and product is evenly distributed; for very smooth or highly grooved backs, apply adhesive to the back of the tile as well.

APPLICATION PRECAUTIONS

- ▶ Respect mixing water ratio to avoid shrinkage and poor adhesion; re-stir to restore consistency
- ▶ In extreme conditions (high temperatures, strong winds), check for surface film formation; remove by re-troweling; never moisten with water (creates anti-adhesive layer)
- ▶ Protect tiles from expansion/contraction with proper joint treatment
- ▶ Prevent water ingress between tile and substrate; use cornices, drip edges, etc.
- ▶ Wind reduces open time and adhesion
- ▶ Do not use in presence of standing water
- ▶ Use double bonding for tiles with sides over 30 cm
- ▶ For formats over 60x40 cm or weights over 40 kg/m², mechanical anchors are recommended
- ▶ Press tiles firmly to ensure full contact and avoid voids
- ▶ On façades, create expansion and perimeter joints at cornices, slab edges, etc., and respect structural joints
- ▶ Periodically check tackiness by lifting a tile
- ▶ Installation quality depends heavily on workmanship and substrate conditions.

TECHNICAL DATA:

Classification: UNE-EN 12004	C2TES1
Mixing water:	$26 \pm 1\%$
Application temperature:	5 - 30°C
Powder density:	$1,4 \pm 0,05$ Kg/L
Paste density:	$1,6 \pm 0,05$ Kg/L
Initial adhesion:	≥ 1 N/mm ²
Adhesion after water immersion:	≥ 1 N/mm ²
Adhesion after heat aging:	≥ 1 N/mm ²
Adhesion after freeze-thaw cycles:	≥ 1 N/mm ²
Slip:	≤ 0.5 mm
Deformability:	$\leq 2,5$ mm and $\leq 5,0$ mm
Adhesion after extended open time (30 min):	$\geq 0,5$ N/mm ²
Open time:	30 minutes
Adjustment time:	≤ 30 minutes
Pot life:	90 minutes
Joint filling:	24 hours
Walkable:	48 hours
Final service time:	14 days
Rest time after mixing:	5 minutes
Max application thickness:	10 mm
Fire resistance:	Class A1



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Forcol®

FLEXIGEL GRAN FORMATO

Cementitious adhesive C2TES2



FORCOL FLEXIGEL GRAN FORMATO is a white or grey cement-based adhesive with excellent workability, specially designed for cladding façades with large-format tiles and highly deformable substrates.

COMPOSITION

Formulated with white cement, selected aggregates, organic and inorganic additives, and resins that improve workability, water retention, and adhesion.

APPLICATION

Cement-based adhesive with excellent workability, designed for installing all types and formats of tiles (porcelain, bicottura, monocottura, cement, terracotta, etc.), regardless of absorption, indoors and outdoors. Especially recommended for large-format tiles and highly deformable substrates.

PROPERTIES

- ▶ Subject to rigorous quality control
- ▶ Complies with Spanish and European standards (UNE, EN)
- ▶ Guaranteed homogeneity through advanced dosing and weighing systems
- ▶ Easy to apply
- ▶ High adhesion to substrates
- ▶ Excellent water retention
- ▶ Suitable for high-traffic flooring due to its flexibility, adhesion, and high compressive and shear strength
- ▶ Excellent performance in façade tile installation, resisting thermal shocks and minor structural movements
- ▶ Gel-like texture with high consistency and low viscosity for easier application
- ▶ Excellent workability.

SUITABLE SUBSTRATES

- ▶ Concrete and cement-based floors
- ▶ Interior and exterior mortar renderings.

SUBSTRATE CONDITIONS:

- ▶ Must be strong 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
- ▶ If exposed to sun or highly absorbent, moisten the substrate beforehand
- ▶ Do not use on metal or wood
- ▶ Do not apply on substrates with moisture above 3%
- ▶ For other substrates or uncertain adhesion, contact Technical Support: +34 964 343 300 or comercial.forcol@origenmateriales.es

COVERAGE

- ▶ Approx. 4.0–4.5 kg/m² for single bonding
- ▶ Approx. 6.5–7.0 kg/m² for double bonding
- ▶ Flatness variations may affect consumption.

PRESENTATION

- ▶ Powder product in approx. 20 kg multi-layer paper bags with moisture-resistant bottom film
- ▶ Pallet: 1440 kg (72 bags), shrink-wrapped for rain protection (simple wrapping in summer)
- ▶ Color: white (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

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INSTRUCTIONS FOR USE

1. Mix FORCOL FLEXIGEL GRAN FORMATO with approx. 30 ± 1% water (5.8–6.2 L per 20 kg bag)
2. Stir manually or mechanically until a lump-free, homogeneous paste is obtained (use a slow electric mixer at 500 rpm)
3. Let the mix rest for 5 minutes, then homogenize again
4. Use full bags, add the same amount of water, and mix all at once for consistent mortar
5. Apply with a notched trowel in small areas from bottom to top to regulate thickness; ensure mortar ridges retain their shape
6. Place tiles and press from top to bottom until ridges are flattened and product is evenly distributed; for very smooth or highly grooved backs, apply adhesive to the back of the tile as well.

APPLICATION PRECAUTIONS

- ▶ Respect mixing water ratio to avoid shrinkage and poor adhesion; re-stir to restore consistency
- ▶ In extreme conditions (high temperatures, strong winds), check for surface film formation; remove by re-troweling; never moisten with water (creates anti-adhesive layer)
- ▶ Protect tiles from expansion/contraction with proper joint treatment
- ▶ Prevent water ingress between tile and substrate; use cornices, drip edges, etc.
- ▶ Wind reduces open time and adhesion
- ▶ Do not use in presence of standing water
- ▶ Use double bonding for tiles with sides over 30 cm
- ▶ For formats over 60x40 cm or weights over 40 kg/m², mechanical anchors are recommended
- ▶ Press tiles firmly to ensure full contact and avoid voids
- ▶ On façades, create expansion joints and perimeter joints at cornices, slab edges, etc., and respect structural joints
- ▶ Periodically check tackiness by lifting a tile
- ▶ Installation quality depends heavily on workmanship and substrate conditions.

TECHNICAL DATA:

Classification: UNE-EN 12004	C2TES2
Mixing water:	30 ± 1%
Application temperature:	5 - 30°C
Powder density:	1,4 ± 0,05 Kg/L
Paste density:	1,5 ± 0,05 Kg/L
Initial adhesion:	≥ 1 N/mm ²
Adhesion after water immersion:	≥ 1 N/mm ²
Adhesion after heat aging:	≥ 1 N/mm ²
Adhesion after freeze-thaw cycles:	≥ 1 N/mm ²
Slip:	≤ 0.5 mm
Deformability:	≥ 5,0 mm
Adhesion after extended open time (30 min):	≥ 0,5 N/mm ²
Open time:	30 minutes
Adjustment time: ≤	≤ 30 minutes
Pot life:	90 minutes
Joint filling:	24 hours
Walkable:	48 hours
Final service time:	14 days
Rest time after mixing:	5 minutes
Max application thickness:	10 mm
Fire resistance:	Class A1



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