



C-40

*One adhesive.
All solutions.*

www.colcret.com



What is C-40?

COLCRET C-40 is a new-generation cementitious adhesive designed to meet the current demands of the ceramic tile industry: large-format tiles, ultra-thin sheets, challenging substrates, demanding outdoor applications, and projects requiring high durability.

Its exclusive formulation with TractionPro® offers superior workability, combining a thixotropic and fluid mixture that ensures comfortable, controlled, and extremely safe application on both floors and walls.

Thanks to its internal gel-like structure, COLCRET C-40 provides complete impregnation of the back surface, ensuring a continuous, monolithic bond between the substrate and the covering. This performance makes it the ideal choice for professional installers seeking reliability, performance, and versatility in a single product.



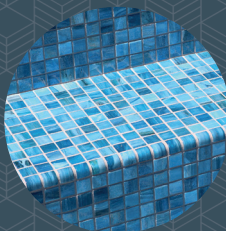
LARGE-FORMAT CERAMIC TILES

The C40's thixotropic and fluid mixture is suitable for any construction requirement and ensures full contact with the entire back surface of the tile, which is essential for achieving a solid bond when installing large-format tiles.



UNDERFLOOR HEATING

C-40 absorbs movement in the substrate caused by temperature changes, even on radiant floors, and its controlled flexibility ensures proper installation on compressible substrates, even those with varying thicknesses.



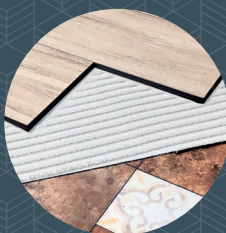
SWIMMING POOLS AND WET AREAS

The C-40's high penetration capacity ensures uniform adhesion even in swimming pools, maintaining its performance under constant immersion and facilitating application on walls and floors made of the most common materials.



FACADES AND BALCONIES

C-40 ensures a solid, slip-free bed on the facade, even with large-format tiles, providing a secure installation that withstands temperature changes.



ANTIQUE STANDS

C-40 allows for secure installation on existing substrates, compensating for unevenness and minor movements. Its flexibility ensures reliable adhesion even under demanding conditions.



SUITABLE FOR ANHYDRITE FLOORS

C-40 can be applied to anhydrite substrates (gypsum-based screeds), provided they are properly prepared, ensuring a secure and durable bond.

BRACKETS

Complete versatility to adapt to a wide range of surfaces, ensuring a secure, comfortable, stable, and long-lasting fit.



FORMATS

- Porcelain, stoneware, and traditional ceramic
- Large-format tiles and ceramic slabs
- Glass mosaic, clinker, and specialty wall tiles
- Natural stone and water-sensitive products
- Extruded clay and rustic ceramic



TECHNOLOGY, BENEFITS, AND FEATURES

GEL TECHNOLOGY – Professional performance with every stroke

The unique gel-like rheology enables two simultaneous properties:

- Thixotropic → does not run vertically, maintains a stable bead, and reduces waste.
- Fluid under pressure → improves wetting, fills micro-voids, and ensures full coverage even on XXL formats.

This dual effect simplifies installation, reduces the physical effort required by the applicator, and guarantees optimal contact between the adhesive and the tile.

HIGH DEFORMABILITY – C2TE S1 Classification

COLCRET C40 absorbs stresses from the substrate and transfers them in a controlled manner to the tile, preventing breakage or detachment.

Its flexibility makes it suitable for use in:

- Radiant floors
- Facades
- Exterior surfaces exposed to thermal shock
- Unstable substrates or those with differential shrinkage
- Large-format tiles that require a flexible adhesive

EXTENDED OPEN TIME – ≥ 60 minutes

Greater flexibility for adjusting or positioning parts, even in:

- High temperatures
- Windy conditions
- Large-format applications requiring careful handling

Ideal for installers seeking safety and process control.

REDUCED SLIP – Effortless vertical installation

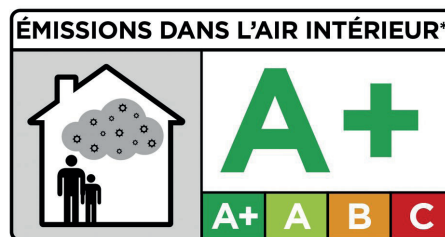
The gel-based structure prevents the tiles from shifting after installation.
Perfect for:

- Vertical surfaces
- Heavy-duty tiles
- Rectified ceramic tiles

LOW EMISSIONS – Sustainable product

Formulated with sustainable construction principles in mind:

- Low emissions (A+ certification)
- Option to incorporate recycled aggregates
- Reduced CO₂ → emissions throughout the product lifecycle
- Guaranteed chemical stability and performance



FULL BACK COVERAGE – Stronger bonds

Gel technology and enhanced moisture retention ensure a continuous adhesive bed, which:

- Reduces vibrations and point loads
- Prevents vacuum-induced breakage
- Improves the structural performance of the ceramic system
- Extends the service life of the flooring or wall covering

TRACTION PRO®

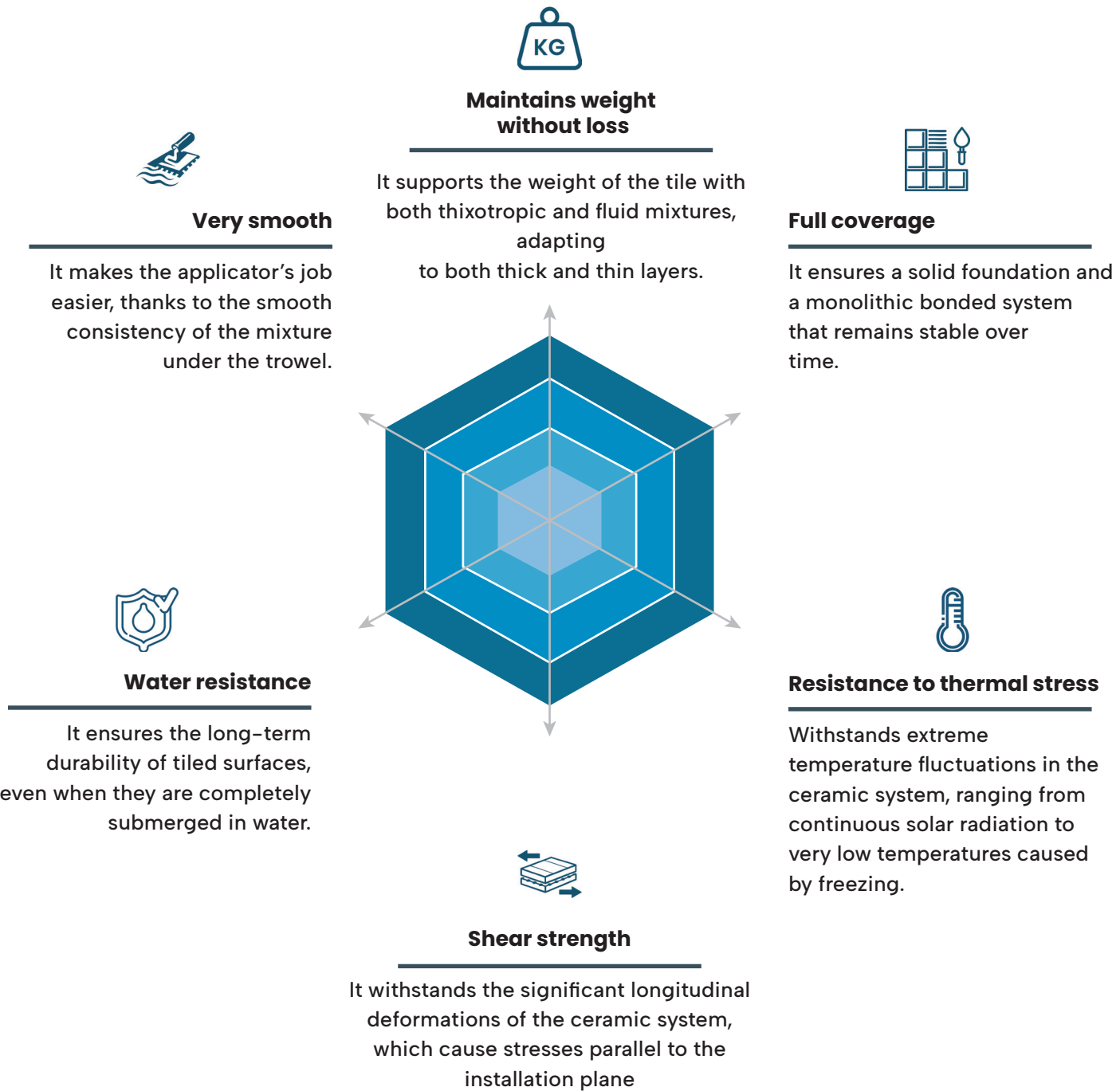
Colcret C-40 has been developed using advanced variable rheology technology that allows it to behave both thixotropically and fluidly, adapting to each application. Its high concentration of polymer resins provides excellent deformability (S1), which is essential for large-format applications and substrates subject to stress, such as ventilated facades, radiant floors, or metal structures. This state-of-the-art formulation ensures maximum adhesion and durability even under severe structural conditions, offering complete reliability for projects with high technical and aesthetic standards.



COLCRET C40 is the most versatile, reliable, and effective gel adhesive for professionals who demand a product capable of delivering top performance in any situation.

Large-format tiles, facades, swimming pools, renovations, or underfloor heating systems: a single adhesive for the entire project.

COLCRET C40 offers **greater flexibility** and **better control** on variable substrates, while maintaining the GEL workability that installers value. High performance, with optimized rheology that makes it easy to use under real-world construction conditions. Greater vertical stability, better coverage, and superior performance outdoors in variable weather conditions.



DATOS TÉCNICOS

CLASSIFICATION	C2TE S1
WORK LIFE	≈ 4 h
OPEN TIME	≥ 60 min
TRAFFICABLE / RECOATABLE	≈ 24 h
MAXIMUM THICKNESS	≤ 0,5 mm
SLIP	≤ 0,5 mm
SERVICE TEMPERATURE	-40 °C a +90 °C
COVERAGE	1.2 kg/m²/mm





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