



**TIRED OF USING ORDINARY ADHESIVES?**

**GO FOR NOVAMIX TILE ADHESIVES WITH GEL PROPERTIES!**



**novamix**  
ADVANCED BUILDING MATERIALS



## THE NEW GEL TILE ADHESIVES WILL FREE YOUR HANDS

- ECO Friendly with low VOC
- Participate in LEED program for excellence in green buildings
- Thixotropic and at the same time fluid
- Perfect workability
- Extended open time and no vertical slip
- Without “resistance” during the spreading of the adhesive
- Increased “wetting” of the back of the tile and substrate

## What is the meaning of GEL as a generic term?

The term **GEL** refers to substances in which molecules and particles coexist in such a way, that the specific substance can be found in a phase between fluid and solid.

## What is the meaning of GEL for the tile adhesives?

The new **GEL** tile adhesives of **NOVAMIX**, upon mixing with water, create a GEL mixture, between liquid and solid state, while maintaining their thixotropy.

**NOVAMIX GEL** adhesives do not “resist” during spreading with a notched trowel, allowing the tile installer to apply the adhesive mortar without special effort, therefore making application more productive and safer.

Moreover, the soft mixture texture, makes covering of the substrate and tile backing easier. The latter is a very important feature, especially for large size tiles applied on horizontal and vertical surfaces, in internal or external areas.

## Which are the types of applications, NOVAMIX GEL adhesives, can be used?

In almost every tiling application we encounter in modern constructions such as: indoor and outdoor areas, underfloor heating systems, areas of heavy traffic, swimming pools, bathrooms & kitchens.

For bonding almost any kind of small to extra-large dimensional tile such as: gres porcelain tiles, natural stones, ceramic tiles, single and double fired, klinker, cotto, marble, cement tiles, reconstructed stones, decorative bricks.

Over absorbent substrates (concrete, cement-based mortar, plaster, plasterboard, cement board, wood) or non-absorbent substrates (existing paving, mosaic, metal).

Depending on the type of substrate, a suitable primer such as NOVAPRIMER, PLANOPRIMER (absorbent substrates) or PLANO BOND, PLANO CONTACT FAST (non-absorbent substrates) might be required.

*LEED (Leadership in Energy and Environmental Design) is a globally recognized green building certification program that recognizes best-in-class building strategies and practices.*

*NOVAMIX as a member of the U.S. Green Building Council participates in this process through state-of-the-art products which produces and are EC1<sup>PLUS</sup> certified, such as GEL adhesives.*



# NOVACOL GEL

High performance multi-purpose tile adhesive with **GEL** properties and very good workability.

It provides a soft and at the same time thixotropic mixture with high “wetting” of the back of the tile.

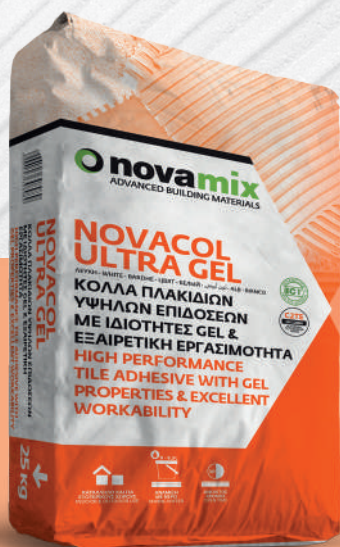
It is suitable for:

- ✎ All kinds of glazed and unglazed tiles
- ✎ Natural stones
- ✎ Slim tiles
- ✎ Indoor and outdoor areas
- ✎ Non-absorbent surfaces, such as: old marble paving, terrazzo and existing tiles
- ✎ Swimming pools, underfloor heating systems and heavy traffic areas



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# NOVACOL ULTRA GEL

High performance elastic tile adhesive with **GEL** properties and excellent workability.

It provides a soft and at the same time thixotropic mixture with high “wetting” of the back of the tile combined with a very good grip of the tiles, even of large dimensions, on vertical surfaces.

It can be mixed with properly graded NOVAMIX THASSOS MIX sand up to 50% in order to achieve thick layers.

It is suitable for:

- ✎ All kinds of glazed and unglazed tiles
- ✎ Tiles of small thickness and large dimensions
- ✎ Marble and heavy natural stones
- ✎ Indoor and outdoor areas
- ✎ Non-absorbent surfaces, old marble paving, terrazzo and existing tiles
- ✎ Swimming pools, underfloor heating systems and heavy traffic areas



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# MARMOFLEX ULTRA GEL S1

Innovative tile adhesive with **GEL** properties that combines high deformability with perfect workability.

In contrary to non-GEL S1 specified tile adhesives this advanced technology mortar is soft and allows the tile installer to handle the GEL adhesive effortless, making tile installation more efficient and safer.

No vertical slip, with reduced specific gravity and consumption.

It is suitable for:

- ✎ All kinds of glazed and unglazed tiles even of very large size
- ✎ Granite, white marble and reconstructed stones sensitive to moisture
- ✎ Glass tiles and mosaics
- ✎ Indoor and outdoor areas
- ✎ Non-absorbent surfaces, terrazzo, marble paving and existing tiles
- ✎ Swimming pools, external facades, heavy traffic areas, underfloor heating systems



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## TECHNICAL DATA (TYPICAL VALUES)

Selection of the appropriate **GEL** tile adhesive should take into consideration the relevant Technical Data Sheet of each product. If necessary, contact **NOVAMIX** Technical Support Department.

The new **GEL** tile adhesives of **NOVAMIX** are produced and tested according to the European Standard EN 12004:2007+A1:2012, therefore all data and specifications refer to this specific standard.

	NOVACOL GEL	NOVACOL ULTRA GEL	NOVACOL ULTRA GEL + 50% THASSOS MIX	MARMOFLEX ULTRA GEL S1
Category	C2TE	C2TE	C2T	C2TE S1
Colour	White	White	White	White
Packaging	5 kg, 25 kg	25 kg	(25 + 12,5) kg	20 kg
GEL properties	YES	YES	YES	YES
Water mixing ratio per package				
Floors	7,0 - 7,5 L	8,0 - 8,5 L	8,0 - 8,5 L	6,4 - 6,8 L
Walls	7,0 L	8,0 L	8,0 L	6,4 L
Initial tensile adhesion strength	$\geq 2,0 \text{ N/mm}^2$	$\geq 2,5 \text{ N/mm}^2$	$\geq 1,5 \text{ N/mm}^2$	$\geq 3,0 \text{ N/mm}^2$
after water immersion	$\geq 1,4 \text{ N/mm}^2$	$\geq 1,5 \text{ N/mm}^2$	$\geq 1,2 \text{ N/mm}^2$	$\geq 1,2 \text{ N/mm}^2$
after heat ageing	$\geq 1,8 \text{ N/mm}^2$	$\geq 2,0 \text{ N/mm}^2$	$\geq 1,4 \text{ N/mm}^2$	$\geq 2,8 \text{ N/mm}^2$
after freeze-thaw cycles	$\geq 1,4 \text{ N/mm}^2$	$\geq 1,5 \text{ N/mm}^2$	$\geq 1,3 \text{ N/mm}^2$	$\geq 1,3 \text{ N/mm}^2$
Extended open time				
Tensile adhesion strength	$\geq 1,1 \text{ N/mm}^2$	$\geq 1,2 \text{ N/mm}^2$	-	$\geq 1,2 \text{ N/mm}^2$
Slip	$\leq 0,2 \text{ mm}$	$\leq 0,2 \text{ mm}$	$\leq 0,2 \text{ mm}$	$\leq 0,3 \text{ mm}$
Deformable adhesive: Transverse deformation (S1 $\geq 2,5$ )	--	$\geq 1,6 \text{ mm}$	-	$\geq 2,5 \text{ mm}$
Consumption	2 - 6 Kg/m <sup>2</sup>	2 - 6 Kg/m <sup>2</sup>	2 - 6 Kg/m <sup>2</sup>	1,5 - 5,0 Kg/m <sup>2</sup>

**Important Note:** The new **NOVAMIX GEL** adhesives, like any hydraulic mortar, in order to give 100% of their properties and special characteristics, must be mixed with the recommended amount of water. For application on walls, it is recommended to add the minimum amount of water (see Technical Data above).



[www.novamix.gr](http://www.novamix.gr)

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