



GENIUSTRONG

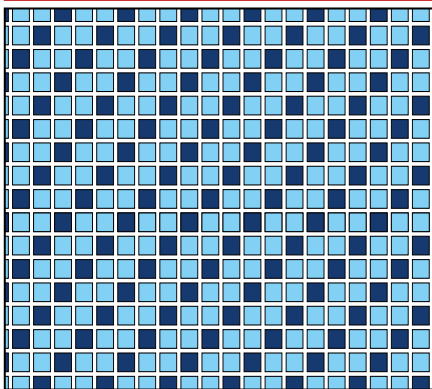
HIGH-ADHESION, ONE-COMPONENT, SPECIAL HIGHLY DEFORMABLE SUPER ADHESIVE FOR APPLICATION OF PRECIOUS OR TOTALLY UNABSORBENT TILES LIKE PORCELAIN STONWARE, NATURAL STONES, COMPOSITE STONE, MOSAIC AND MARBLE TILES, ON INTERIOR AND EXTERIOR FLOORS AND WALLS ALSO WHEN OVERLAYING EXISTING TILES

GRANTS *LEED* CREDITS

CHARACTERISTICS	ENVIRONMENTAL	METHOD OF USE		PRECAUTIONS
ONE-COMPONENT	ECO GREEN	RECYCLABLE	MIX MECHANICALLY	STORAGE: IN A DRY PLACE
			APPLY BY TOOTHED SPATULA	

PROBLEM

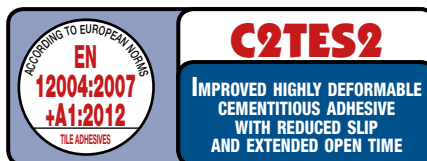
SAFE APPLICATION OF SPECIAL OR COMPLETELY UNABSORBENT MATERIALS



Setting of non-absorbing ceramic tiles, glass mosaics or marble requires an adhesive that can guarantee high bonding capacity and adhesion even when setting tile over tile.

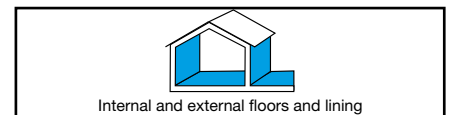
SOLUTION

GENIUSTRONG is a pre-mixed powdered medium-fast setting mortar made of special cements, powdered resins, selected quartz sands and special additives that make it extremely workable and offer excellent bonding even with totally non-absorbent tiles. It can be used in place of classic two-component adhesives offering the advantages of greater coverage and greater workability.



APPLICATION FIELDS

GENIUSTRONG is particularly suitable for bonding porcelain stoneware, natural stone, engineered stone and mosaic tiles. It can be used on any cement-based substrates, either **new or existent**, for **both interior and exterior applications**. It is also suitable for **laying on heated floors**. Finally, it is also used for laying in swimming pools.



Internal and external floors and lining

ADVANTAGES

- Excellent workability compared to classic two-component latex-added products.
- Excellent bonding even tile over tile.
- Used to bond even large non-absorbent tiles, natural stone and mosaics.
- Medium fast curing with a long open time permit fast and secure applications.
- It is suitable for application in swimming pools.

METHOD OF USE

• SURFACE PREPARATION

GENIUSTRONG can be applied on all traditional supports, provided they are flat, solid and free of incoherent parts, fats, oils, dust or dirt in general. Supports in plaster or in anhydrite mattresses must first be treated with ISOLFIX G.

• MIX PREPARATION

GENIUSTRONG is prepared by mixing the product with right quantity clean water (see table). Pour the powder product into the water and mix with a drill on low speed until a uniform paste is obtained with no lumps (1). Leave the paste to rest for 3 minutes and mix again. The mix stays in workable condition for about 4 hours depending on weather conditions.

• APPLICATION

GENIUSTRONG is generally applied using a toothed trowel with 4 to 7 mm teeth. First lay down a layer with the smooth side of the trowel and then immediately pass over this with the toothed side this with the toothed side (2). When

setting tile outdoors it is good practice to coat the back of the tiles as well (3). This eliminates cavities that may fill with water and cause tile detachment due to freezing. Set tiles by pressing them hard enough to guarantee total contact with the mortar. Remember to account for setting time: the time before a surface "film" forms.

• CONSUMPTION

2,5 kg/m² with 4x4 mm toothed trowel.

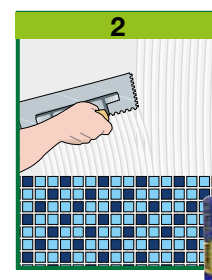
• PRECAUTIONS

- Don't use on surfaces made of metal, rubber, vinyl floors, wood, linoleum or PVC.
- In case of marble or composite stones particularly sensitive to water, we suggest you to consult our technical office.
- If the back of the

tiles are very dusty, it is recommended to clean them by dipping them quickly in water.

- In adverse weather conditions (high temperatures, wind) the normal open time may be shorter. Therefore you must make sure the adhesive has not formed a "skin" before laying the tile, which would compromise adhesion. If a "skin" has formed on the surface, simply refresh the adhesive by crossing again with the toothed trowel without wetting.

(See following)



TECHNICAL CHARACTERISTICS

		GENUISTRONG	
	Standard	Powder	
		White	Grey
Appearance			
Colour		White	Grey
Apparent density	EN 1015-6	1.30 ± 0.05 kg/L	1.30 ± 0.05 kg/L
Water ratio		32% ± 1%	27% ± 1%
Shelf life in original packaging (dry stored)		12 months	
Mix characteristics and workability			
Density of mix		1.60 ± 0.05 kg/L	
Mix pH		12-14	
Pot life (*)		approx 4 hours	
Application temperature		+5°C ÷ +35°C	
Open time (*)		30 minutes	
Adjustability time (*)		40 minutes	
Waiting time - before foot traffic use (*)		24 hours	
Waiting time - before grouting (*)		24 hours	
Performance characteristics	Standard	Minimum requirement	Product performance
Class and type	EN 12004		C2TES2
Transversal deformation class of adhesive	EN 12002	≥5.0 mm	5.2 mm - class S2
Adhesion strength	EN 1348 P8.2	≥1.00 N/mm ²	2.30 N/mm ²
Adhesion strength - after immersion in water	EN 1348 P8.3	≥1.00 N/mm ²	1.90 N/mm ²
Adhesion strength - after heat	EN 1348 P8.4	≥1.00 N/mm ²	2.00 N/mm ²
Adhesion strength - after thaw-frost cycles	EN 1348 P8.5	≥1.00 N/mm ²	1.50 N/mm ²
Open time: adhesion strength - after 30'	EN 1346	≥0.50 N/mm ²	1.40 N/mm ²
Sliding	EN 1308	<0.5 mm	<0.5 mm
Thermal resistance - Operating temperature			-30°C ÷ +90°C
Fire reaction	EN 13501-1		E CWFT P4.4.3
Hazardous substances	EN 12004		in accordance to ZA.1 note

Test conditions: temperature 23±2°C, 50±5% R.H. and air velocity in test area <0.2 m/s. **These data may change depending on specific site conditions: temperature, ventilation, moisture and substrate absorbency.** (*) The times indicated will be longer or shorter as the temperature drops or rises.

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Pursuant to European standard **EN 12004:2007+A1:2012** - General principles for the use of products and systems.

(See previous)

- In high temperatures wetting the foundation helps to increase the open time.
- Never use with temperatures below +5°C and high than +35°C. Protect tiles from rain, frost and high temperature for 24 hours at least.
- In hot weather avoid laying the adhesive on large surface areas.
- Glue uniformly.
- Damp surfaces can slow the setting of the product.
- When overlaying, the surfaces must be

washed well with water and caustic soda (9:1).

- Do not use the product in thicknesses of more than 6-7 mm.
- Clean the tools with water and the covered surfaces with a damp cloth immediately after use.
- Do not expose the material to direct sunlight in hot weather.
- Store the original closed packaging in a dry place.

the numerous possible uses and the possible interference of conditions or elements beyond our control, we assume no responsibility regarding the results which are obtained. The purchasers, of their own accord and under their own responsibility, must establish the suitability of the product for the envisaged use.

The figures shown are average indicative figures relevant to current production and may be changed or updated by INDEX at any time without previous warning. The advice and technical information provided, is what results from our best knowledge regarding the properties and the use of the product. Considering

PACKAGING

25-kg Sacks

• FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUR TECHNICAL OFFICE • IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS •

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