

EXTRA POWER 100% Vinyl acrylic tile adhesive



TECHNICAL SPECIFICATIONS (Measurement conditions: 23 °C and 50% RH)

Form-color	Cement based mortar - White
Toxic/Flammable (according to EN 88/379)	No
Apparent specific gravity of dry mortar	1.30±0.05 kg/lt
Vertical slip according to EN 1308	<0.2 mm
Water demand	7 lt water per 25 kg of mortar
Application temperature	+5 °C to +35 °C
Temperature resistance	-35 °C to +90 °C
Pot life	At least 7 hours
Open time according to EN 1346	30 min
Adjustability time	35 min
Grouting	4-8 hours for walls, 24 hours for floors
Set to light foot traffic	After 24 hours
Surface ready for use	After 12-14 days

MECHANICAL PROPERTIES

28-day strength, according to EN 196-1 to:	
• Flexion	8.50±0.50 N/mm ²
• Compression	20.50±0.80 N/mm ²
Tensile adhesion strength, according to EN 1348, after:	
• 28 days	2.30 N/mm ²
• Heat ageing at +70 °C	1.90 N/mm ²
• Immersion in water for 21 days	1.70 N/mm ²
• 25 freeze-thaw cycles	1.60 N/mm ²
• Deformability (S) according to EN 12002	2.5 mm < deformation < 5 mm

Experimental measurements were carried out according to EN 12004 in DUROSTICK's Chemical Labs and were confirmed by TRSC tests 9530/2634/222.

The following instruments were used: • Flexion - Compression: CONTROLS MCCC66 • Detachment: BRAVE DYNATEST

NOTE: Exceeds by 85% the requirements of the standard for C2 type adhesives.

STORAGE

Store in well-sealed packages, in dry and shady spaces, for at least 12 months from production date.

SAFETY DIRECTIONS

This product contains Portland cement and is classified as irritant. Consult the safety information on the package or the Safety Data Sheet before use.

PACKAGING

Paper bags of 25 kg on pallets of 1,500 kg

PROPERTIES

Cement based, white, high performance adhesive, reinforced with acrylic resins.

It stands out for its thixotropy, elasticity, zero vertical slip and tolerance even in conditions of prolonged moisture and frost. Allows layers of up to 20 mm and has an extended open time.

Classified as class C2TE/S1 according to EN 12004 and EN 12002.

APPLICATIONS

EXTRA POWER is ideal for laying low or zero absorption tiles and large format granites on building façades (pic. 4). Indispensable for adhering particularly hard and durable tiles, of almost zero absorption, like klinker, gres, porcellanato, porcellanato smaltato and also for ceramic and glass mosaics.

Distinguished for its tolerance to contraction and expansion in interior spaces, such as in underfloor heating, but also in outdoor open spaces subjected to significant temperature variations like balconies or rooftops.

It stands out for its adhesion strength with tiles in spaces always moist like swimming pools (pic. 2), swimming halls, fountains, bathrooms (pic. 3), showers etc.

Suitable for spaces with heavy

circulation such as car exhibition halls, airport lounges, shopping centers, super markets, banquet halls, public rooms, etc. Ideal for all types of stable substrates like floor screeds, brushable cementitious substrates, prefabricated concrete walls, old tiles, mosaics, marble plasters, gypsum plasters or aerated concrete. Its high thixotropy allows fixing tiles on walls, beginning from the top downwards.

The addition of ACRYLIC EMULSION by DUROSTICK in the mixing water at a ratio of 1:1, improves the technical characteristics of the adhesive so it meets the standards of group S2 (highly deformable adhesive), according to EN 12002.

USE

1. Surface preparation

The application surface should be clean, free of rotten materials, dust paint, grease and oil and must be rinsed with water. It is necessary, before using the adhesive to absorbing substrates and aerated concrete, to prime with ACRYLIC EMULSION or D-20 by DUROSTICK, at a ratio of 1:1 with water.

Gypsum boards should be primed with the micromolar stabilizer AQUAFIX or with SOLVENT BASED PRIMER by



pic. 1

Detachment strength method according to EN 1348.

DUROSTICK.

Friable floor screeds should be coated with the sealing and stabilizing mortar HYDROSTOP FLOOR or the 2-component DUROPROOF or D-20, or at least with ACRYLIC EMULSION by DUROSTICK.

2. Application

Mix the mortar with clear water, at a ratio of 2 parts water to 5 parts mortar or 7-7.5 lt of water per 25 kg of mortar while mixing with a low speed drill until a smooth, lump-free paste has been created.

Allow the mixture to stand for 5 - 10 minutes and periodically stir, without adding more water. The adhesive is applied with a notched trowel on top of the substrate.

Then "comb" as much surface as needed to work on within the next 10-20 minutes (depending on the weather conditions), in order to avoid skin formation. Finally, place the tiles to their chosen position and tap them slightly with a rubber hammer.

NOTE

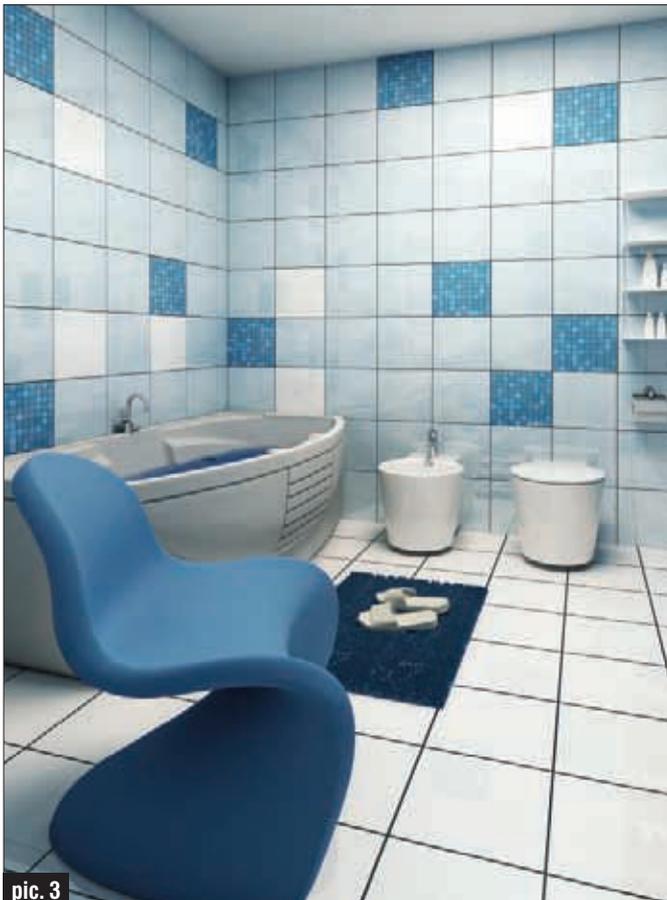
Tile placement on surfaces that underlie extreme stress (balconies, rooftops, pools, garages) requires the use of high standard products, because apart from the safety they provide, their cost, in comparison with that of the tiles and their installation is very small.

CONSUMPTION

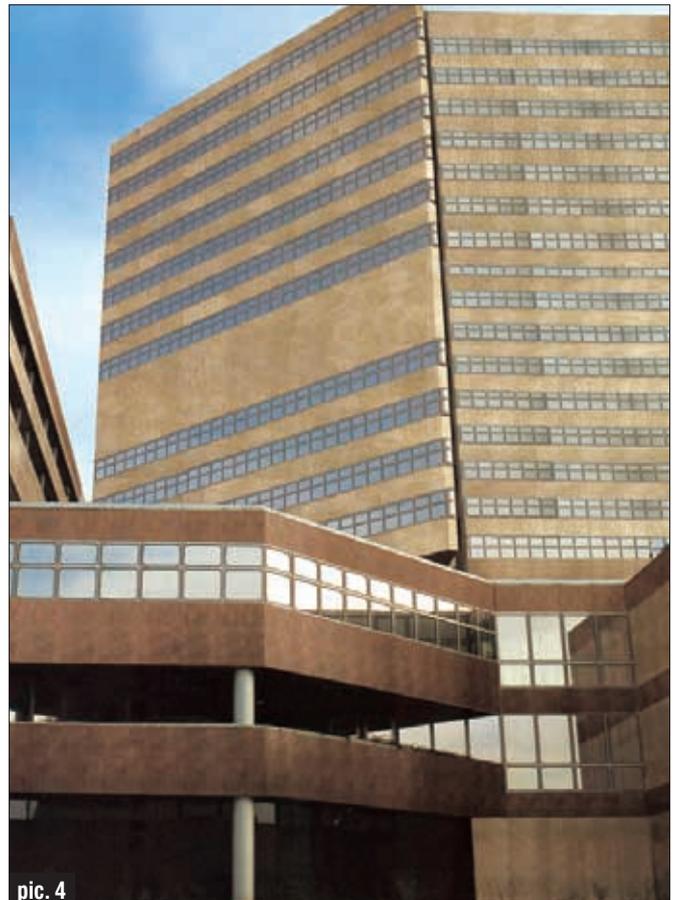
3-5 kg/m², depending on the size of the notches and the smoothness of the surface



pic. 2



pic. 3



pic. 4