

# ELASTOGRIP

## Latex Additive for Cementitious Tile Adhesives and Grouts

### Description:

ELASTOGRIP is an elastic water based polymer manufactured as an additive to replace totally or partially the gauging water for cement based tile adhesive and grouts.

When mixed with cement tile adhesives, it improves remarkably the adhesion to the support, performing an elastic gluing which can absorb the different movements between the tiles and the substrate. TILEGRIP adhesive family mixed with ELASTOGRIP performs excellent adhesion to many types of surfaces such as concrete, bricks, glass, marble, ceramic, etc.

When mixed with COLORTEC tile grout it improves the compactness, abrasion resistance, impermeability and adhesion of grout when applied in joints between tiles. In addition, the elastic property of the product allows the grout to absorb certain deformation and vibration on the substrates.

### Applications:

TILEGRIP tile adhesive family and COLORTEC grout when mixed with ELASTOGRIP fully or partially as a substitute of water, the mixed product can be used in the following applications:

- Walls and floors of showers, bathrooms and kitchens.
- Swimming pools, fountains, saunas, steam room heated floors, refrigerating rooms and all water features.
- For areas where high abrasion, water and chemical resistance is required.
- For external application of ceramic tiles of all types including, porcelain, marbles, artificial and natural stones.
- Natural stone application on facades and precast walls.
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- Floors and walls exposed to deflections, vibrations, or high temperature variations.
- Floors exposed to heavy pedestrian traffic.

### Advantages:

- It can be used for all kinds of residential and commercial buildings.
- It is a high quality tile adhesive for fixing tiles on concrete substrates, floor screeds, cement plaster, renders, foam concrete, blocks and bricks.
- High bond to substrates.
- Easy applied to tile and floor.
- Combatale with all types of cement substrates.
- High workability and engineered pot life.
- Waterproofing features and elasticity.

### Instructions for Use:

#### Surface Preparation:

All surfaces should be sound, clean, dry and free from loose material, efflorescence, laitance, curing compounds, dirt, oil and grease. Ensure that concrete and block substrates are fully cured in order to accommodate all shrinkage factors. For Gypsum surfaces, treat the surface with ARMOPRIME AC before application of tiles.

#### Application:

ELASTOGRIP can be added partially or totally to substitute the mixing water of the adhesives according to the elasticity required. For partial mixing a dilution of 1:1 ratio with clean water would be recommended. Always shake the container of ELASTOGRIP before use.

For TILEGRIP tile adhesive application:

Mix the required ratio of dilution of ELASTOGRIP with water in a container then pour the 25 kg tile adhesive bag into a container and mix until a homogeneous lump free mixture is obtained. Let the mixture rest for about 5 minutes and briefly remix before application. Spread the mixture on the substrate using a toothed spatula. Follow the application procedure as per the use TILEGRIP data

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sheet. ELASTOGRIP may be mixed with any type of powdered adhesives.

For COLORTEC grout application:

Pour a part of the latex as needed into a clean container and then add COLORTEC. Mix to get a homogeneous paste free from lumps. Leave the mixture for about 5 minutes, then remix shortly and apply with a rubber grout float into the previously cleaned and wet joints. Follow the application procedure as per the COLORTEC data sheet.

## Standards:

ELASTOGRIP as additive to cement based tile adhesive conforms to:

- EN 12004 as C2, EN 12002 as S1 or S2 (according to the type of adhesive and dilution Ratio), EN 1348
- ANSI A118.4 – 1999
- ISO 13007-CIT, ISO 13007-C252

ELASTOGRIP as additive to cement based COLORTEC grout conforms to:

- European EN 13888-CG2
- ANSI A 118.6 -1999

TECHNICAL PROPERTIES	
Color	: Milky White
Density	: 1.1 kg/m <sup>3</sup>
Density (wet)	: 1.40 Kg. / Lt.
pH	: 7-8 Kg. / Lt. at 20°C

COLORTEC mixed with ELASTOGRIP would perform as follows:	
Flexural Strength	: 7.5 N/mm <sup>2</sup>
Compressive Strength	: 25 N/mm <sup>2</sup>
Water absorption (after 30 mins.)	: >1.2%
Shrinkage (mm/m)	: 2.0 mm/m
Chemical resistance	: Excellent

## TILEGRIP WP mixed with ELASTOGRIP would perform as follows:

Tensile adhesion strength	
Initial after @ 28 days	: 2.0 N/mm <sup>2</sup>
After heating	: 2.2 N/mm <sup>2</sup>
After water Immersion	: 1.6 N/mm <sup>2</sup>
After Freeze-thaw cycle	: 1.5 N/mm <sup>2</sup>
Thermal expansion coefficient	: 12.7 x 10 <sup>-6</sup> /°C
Water absorption	: >2%
Chemical Resistance	: excellent to most alkalis and diluted acids

## Packaging:

ELASTOGRIP is available in 20 liter plastic jerkin.

## Storage Conditions:

Store in original packing in dry conditions away from direct sunlight.

## Shelf Life:

ELASTOGRIP can be utilized within 12 months of production date if stored in proper conditions in unopened original packing.

## Health and Safety:

- Use goggles and gloves during application. Do not breathe vapor of products. Use only in well ventilated areas
- Avoid contact with eyes or skin.
- In case of contact with eyes, wash abundantly with warm water and consult a doctor immediately.

MATEX Rev.00-1015

This technical data sheet is not considered as local building codes. It shall be used as general reference for the product, based on our current knowledge and experience. However the company do not accept any liability arising from the use of its products as it has no direct control on how and where the product is applied.

