



PRODUCT CATALOGUE  
PROFESSIONAL BUILDING PRODUCTS  
2018

# TERRACES & BALCONIES

# TERRACES & BALCONIES

Tiling your terrace and balcony with Tytan Tiling System

- Solution for durable and esthetic structure
- High quality adhesives ideal for all types and sizes of tiles, natural stone used on terraces and balconies
- Excellent tightness and waterproofing

Terraces, balconies are ideal place for social meetings and relaxation with family, and also a place which adds character to the building. Balconies and terraces are constantly exposed to the unfavorable weather. Radical temperature fluctuations, snow, rain have a detrimental effect on their structure and lead to the appearance of cracks, efflorescence, chipped grout or tiles. Because of this, all the construction works on balconies and terraces should be carried out with extra care and attention to detail. The application of the Tytan Professional System for balcony and terrace allows to create a beautiful recreation area and at the same time to meet the required strength parameters.





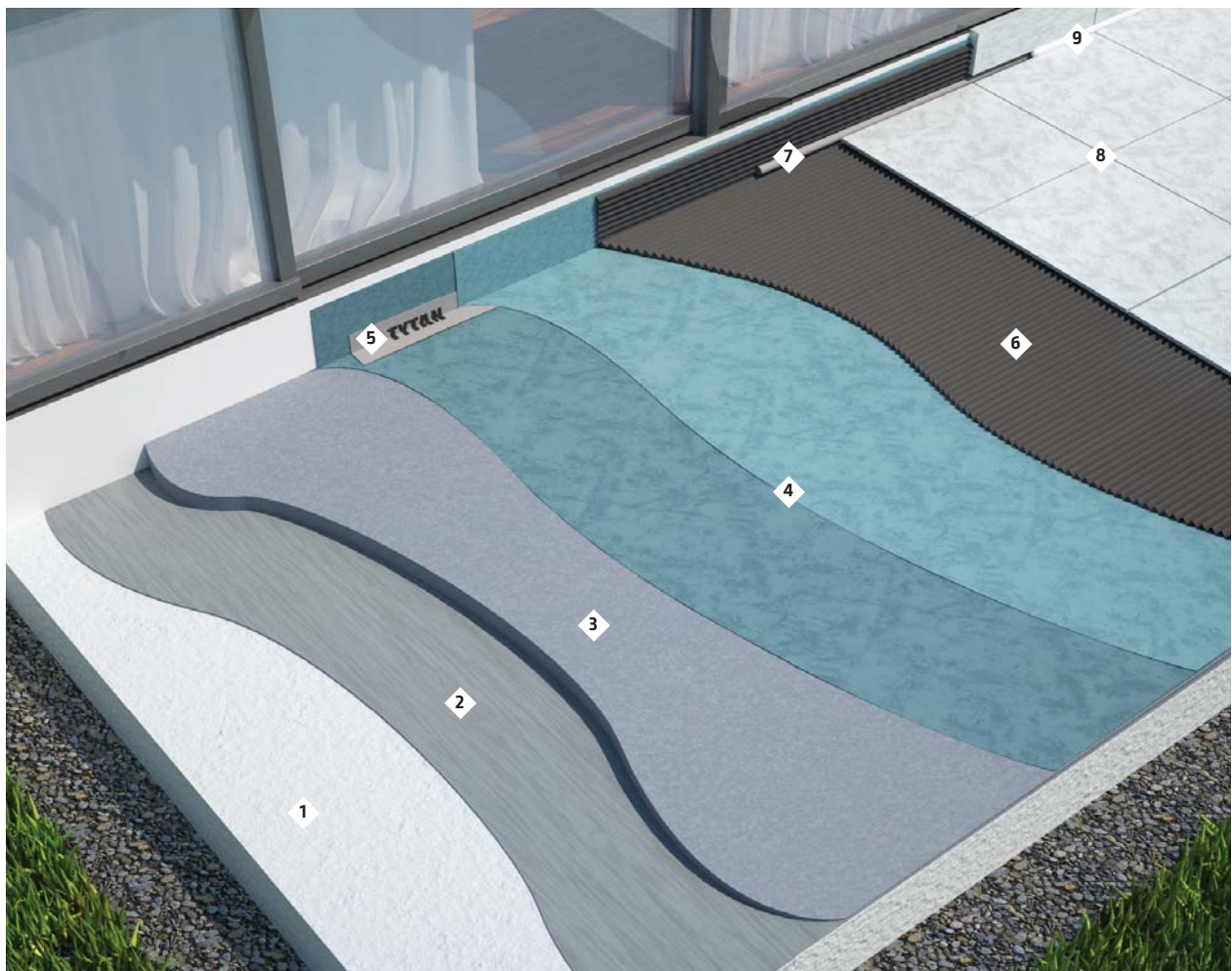
# TERRACES & BALCONIES

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## Tytan Professional Tiling System – Terraces & Balconies

Tytan Professional Tiling System is a comprehensive solution designed for performing tiling operations. It is the outcome of experience and our passion in the field of construction chemicals gained over many years. The combination of these two elements led to the development of a professional range of products meeting the highest European requirements. The users of our systems contribute to the development of our products by sharing with us their experience and expertise. This motivates us to strive for perfection in order to fulfil the expectations of our users. With Tytan Professional Tiling System you can be sure you reach for the most reliable solution.



### SYSTEM ELEMENTS:

1. Substrate
2. Multigrunt
  - Concentrated
  - Increases adhesion
  - Strengthens substrate
3. GEA 3-30 Quick-Setting Levelling Mortar
4. Hydro 1K Flexible Sealing Mortar  
or Hydro 2K Two-Component Waterproofing Mortar
  - Excellent adhesion, flexibility and easy-to-use
5. Tape
6. Superflex S1 High Flexible Tile Adhesive
  - Large format of tiles XXL
  - Difficult substrates, weather resistant
7. Back Up Rod
8. GEA 746 Wide Tile Grout
9. Terraces & Balconies Sealant & Adhesive
  - Extreme bonding strength
  - Resistant to UV radiation and weather conditions

# Megaflex S1

## Hybrid Tile Adhesive



Hybrid Adhesive Megaflex S1 is recommended for fixing all types of wall and floor tiles. It is a multi-purpose product with possibility of consistency selection depending on purpose. Hybrid Adhesive Megaflex S1 is recommended for seating heavy XXXL size tiles. It can be used as patching putty up to 15 mm.

### APPLICATIONS:

- For heavy XXL size tiles and slim-type of tiles
  - terracotta, clinker, mosaics, terrazzo and cement tiles
  - natural stone tiles (after prior checking of their resistance to discolouration)
- For underfloor heating
- Difficult substrates, including OSB
- For bonding „tile on tile“
- Balconies and terraces, kitchens, bathrooms, swimming-pools, facades
- For internal and external use

### BENEFITS:

- For XXXL format of tiles
- For heavy mechanical loads
- For underfloor heating
- Multi-purpose product 4 in 1:
  - thin- and medium-layer spreading adhesive
  - or patching putty
- Very High efficiency

### TECHNICAL PARAMETERS:

- Mixing ratio: 5,4–7,0 l of water per 18 kg of dry mortar
- Mortar ready-for-use time after mixing with water: up to 3 h
- Application temperature: +5°C to +25°C
- Open time: 30 min
- Correction time: 30 min
- Grouting walls/ floors: after 12/ 24 h
- Partial/ full usage: after 2/ 14 days
- Slip: ≤ 0,5 mm
- Approximate consumption for at the thickness of 1 mm: approx. 0,9 kg/m<sup>2</sup>
- Layer thickness 2–20 mm
- EN 12004 C2 TE S1

Product name	Content	Packaging	Pieces per pallet
Megaflex S1 Hybrid Tile Adhesive TS58	25 kg	Bag	48

# Superflex S1

## High Flexible Tile Adhesive



Tile Adhesive Superflex S1 is suitable for fixing all types of wall and floor ceramic tiles, glazed, terracotta, mosaics, terrazzo and cement tiles, natural stone tiles (after prior checking of their resistance to discolouration) and stone conglomerates in small and large sizes. It is designed for every typical and demanding substrate, internally or externally.

### APPLICATIONS:

- All types of tiles:
  - terracotta, clinker, mosaics, terrazzo and cement tiles
  - natural stone tiles and stone conglomerates
- For typical and demanding substrate, including OSB
- For floors with underfloor heating
- For bonding „tile on tile“
- For internal and external use
- Balconies and terraces
- Kitchens, bathrooms, swimming-pools
- Facades
- Communication passages

### BENEFITS:

- For XXL format of tiles
- For difficult substrates
- Floor and wall heating
- Water and frost resistant

### TECHNICAL PARAMETERS:

- Mixing ratio: 6,0–6,5 l of water per 25 kg of dry mortar
- Mortar ready-for-use time after mixing with water: up to 3 h
- Application temperature: +5°C to +25°C
- Open time: 30 min
- Correction time: 30 min
- Grouting walls/ floors: after 12/ 24 h
- Partial/ full usage: after 2/ 14 days
- Slip: ≤ 0,5 mm
- Approximate consumption for at the thickness of 1 mm: approx. 1,4 kg/m<sup>2</sup>
- Layer thickness 2–10 mm
- EN 12004 C2 TE S1

Product name	Content	Packaging	Pieces per pallet
Superflex S1 High Flexible Tile Adhesive TS55	25 kg	Bag	48

## Marmurflex S1 White Adhesive with Trass



White Adhesive with Trass Marmurflex S1 is suitable for efficient installation of all types of natural and synthetic marble, natural stone and ceramic floor tiles, terrazzo and cement tiles in all formats. The adhesive is designed for application onto virtually any rigid and demanding (difficult) substrate.

### APPLICATIONS:

- Natural and synthetic marble
- Natural stones
- Ceramic floor tiles: glazed, terracotta, clinker, mosaics
- Terrazzo and cement tiles
- For underfloor heating
- For internal and external use

### BENEFITS:

- For XXL format of tiles
- White colour – perfect for marble and other natural stones
- Contains trass – reduced discolouration and efflorescence
- For underfloor heating

### TECHNICAL PARAMETERS:

- Mixing ratio: 6,5–7,0 l of water per 25 kg of dry mortar
- Mortar ready-for-use time after mixing with water: up to 3 h
- Application temperature: +5°C to +25°C
- Open time (skin formation): 30 min
- Correction time: 30 min
- Grouting walls/ floors: after 12/ 24 h
- Partial/ full usage: after 3/ 14 days
- Slip: ≤ 0,5 mm
- Approximate consumption for at the thickness of 1 mm: approx. 1,4 kg/m<sup>2</sup>
- Layer thickness 2–20 mm
- EN 12004 C2 TE S1

Product name	Content	Packaging	Pieces per pallet
Marmurflex S1 White Adhesive with Trass TS56	25 kg	Bag	48

## Flex

### Flexible Tile Adhesive



Flexible Tile Adhesive Flex is suitable for fixing all types of wall and floor ceramic tiles, glazed, terracotta, clinker, mosaics, terrazzo and cement tiles, natural stone tiles that are resistant to discolouration (after prior checking of their resistance to discolouration). The adhesive mortar is applied onto every typical and demanding substrate, internally or externally.

### APPLICATIONS:

- Milled rock, terracotta, clinker, mosaics, terrazzo and cement tiles
- Natural stone
- Balconies and terraces
- Floor and wall heating
- For external and internal use

### BENEFITS:

- For XL format of tiles
- For difficult substrates
- For underfloor heating
- Water and frost resistant

### TECHNICAL PARAMETERS:

- Mixing ratio: 6–6,5 l of water per 25 kg of dry mortar
- Mortar ready-for-use time after mixing with water: up to 4 h
- Application temperature: +5°C to +25°C
- Open time: 30 min
- Correction time: 30 min
- Grouting walls/ floors: after 12/ 24 h
- Partial/ full usage: after 3/ 28 days
- Slip: ≤ 0,5 mm
- Approximate consumption for at the thickness of 1 mm: approx. 1,4 kg/m<sup>2</sup>
- Layer thickness: 2–10 mm
- EN 12004 C2E

Product name	Content	Packaging	Pieces per pallet
Flex Flexible Tile Adhesive TS54	25 kg	Bag	48

## Express

### Quick Flexible Adhesive



Quick Adhesive Express is suitable for efficient and quick fixing of all ceramic tiles (glazed, terracotta, clinker), non-absorbent tiles, natural stone tiles (after prior checking) and stone conglomerates.

#### APPLICATIONS:

- For quick repair, ideal for:
  - outdoor areas, such as terraces, balconies and facades made of clinker or plastron
  - communication passage corridors and terraces
  - bathrooms, kitchens
- For external and internal use

#### BENEFITS:

- For XL format of tiles
- Quick-setting and flexible
- For swimming pools, terraces and balconies
- Water and frost resistant

#### TECHNICAL PARAMETERS:

- Mixing ratio: 6,5–7,0 l of water per 25 kg of dry mortar
- Mortar ready-for-use time after mixing with water: up to 60 min
- Application temperature: +5°C to +25°C
- Open time: 10 min
- Correction time: 10 min
- Grouting walls/ floors: after 2/ 4 h
- Usage: after 24 h
- Slip: ≤ 0,5 mm
- Approximate consumption for at the thickness of 1 mm: approx. 1,4 kg/m<sup>2</sup>
- Layer thickness 2–5 mm
- EN 12004 C2 FT

Product name	Content	Packaging	Pieces per pallet
Express Quick Flexible Adhesive TS57	25 kg	Bag	48

## GEA746

### Wide Tile Grout



Wide Tile Grout is designated for grouting joints of 4–20 mm width on walls and floors. Thanks to specially well-chosen high-class cement compositions the product is characterized by high resistance and adhesion as well as by very good application parameters such as resistance to cracking and scratching. High technical parameters of the product allow use on renewable substrates.

#### APPLICATIONS:

- Wide and rustic welds
- Floors exposed to large dirt
- Heated floor
- For external and internal use
- Terracotta, clinker, gres, mosaic
- Terazzo and cement tiles, plates from natural and synthetic stone
- Heavily loaded floors (offices, shops, schools, offices)

#### BENEFITS:

- Water and frost resistant
- For external and internal use
- Bathrooms, kitchens, halls, corridors, stairs
- Balconies and terraces
- Joint width: 4–20 mm
- Colours: white, grey, creamy, brown, graphite, black

#### TECHNICAL PARAMETERS:

- Mixing ratio
  - 5,0–5,5 l of water per 25 kg of dry mortar
  - 0,20–0,22 l of water per 1 kg of dry mortar
- Pot life up to 2 h
- Application temperature: +5°C to +25°C
- Set time: 48 h (walk on), 14 days (full cure)
- Min. joint width 4 mm
- Max. joint width 20 mm
- EN 13813 CG 1



Product name	Content	Packaging	Pieces per pallet
GEA746 Wide Tile Grout	25 kg	Bag	48



# Hydro 1K

## Flexible Sealing Mortar



Sealing Mortar Hydro 1K is a one-component product suitable for making light, medium, heavy moisture and water insulation. It creates a tight, flexible and seamless coat to bridge substrate cracks and provide a permanent sealing for corners, expansion joints and sanitary pipe passes in connection with special sealing tapes and flanges of the Tytan water insulation system.

### APPLICATIONS:

- Concrete, cement-lime and gypsum plasters, gypsum plaster boards
- Anhydrite and cement screeds
- Autoclaved aerated concrete blocks
- Hollow blocks and ceramic bricks
- Foundation blocks
- Old, wooded and heated floors
- Damp and wet rooms:
  - balconies, terraces, sanitary rooms, sealing cellar walls and foundations

### BENEFITS:

- One-component cement sealing mortar
- Damp and wet rooms:
- Walls and floors
- Layer thickness 2–3 mm
- For internal and external use

### TECHNICAL PARAMETERS:

- Mixing ratio: 5,0–5,5 l water per 20 kg
- Application temperature: +5°C to +25°C
- Time to use after mixing: approx. 2 h
- First coat drying time: approx. 3 h
- Can be walked upon after: approx. 12 h
- Complete the protective layer after: approx. 24 h
- Bury excavations after: approx. 72 h
- Pressurised water load: after approx. 7 days
- Crack coverage:  $\geq 0,75$  mm
- Consumption per 1 mm thickness:  $1,4 \text{ kg/m}^2$
- EN 14891

Product name	Content	Packaging	Pieces per pallet
Hydro 1K Flexible Sealing Mortar TS41	20 kg	Bag	48

# Hydro 2K

## Waterproofing Mortar



Two-component, durable and flexible waterproofing mortar, resistant to positive and negative water pressure.

### APPLICATIONS:

- Terraces and balconies
- Internal and external basement walls and foundations (up to 5 m below ground water)
- Waterproofing in damp and wet areas, including: swimming pools, washrooms, showers or bathrooms, garden ponds or industrial water tanks

### BENEFITS:

- Can be applied on very damp substrates
- Resistant to frost and ageing
- Resistant to aggressive chemical environments
- Crack-bridging ability
- Very good adhesion
- Resistant to scratching, good load capacity and high vapour permeability
- Fast curing (can be tiled and walk on after 24 h)
- Environmentally friendly, contains no solvents

### TECHNICAL PARAMETERS:

- Consumption per 1 mm:  $1,5 \text{ kg/m}^2$
- Consumption against moisture and non-pressure water: min. 1,5 mm, ca.  $2,3 \text{ kg/m}^2$
- Against pressure and ground water, water tanks: min. 2,5 mm, ca.  $3,7 \text{ kg/m}^2$

Product name	Content	Packaging	Pieces per pallet
Hydro 2K Waterproofing Mortar	8 kg	Bucket	32
	24 kg	Bucket	32

## Sealing Tape “TU”



Recommended for use together with Liquid Foil and Flexible Sealing Mortar Hydro 1K, to ensure perfect waterproofing. Effectively protects joints against penetration of water and moisture.

**APPLICATIONS:**

- Protection of corners, edges, dilatation joints, floor cracks or pipe passages
- Kitchens, bathrooms, shower cabins, washrooms, basements, balconies, terraces

**BENEFITS:**

- Can be used with any tile application method
- Ensures waterproofing in the areas exposed to temporary moisture
- Flexible and durable sealing

**TECHNICAL PARAMETERS:**

- Composition: tape made from polyester mesh (120 mm wide). Central stripe (70 mm wide) is covered from up and bottom by thermoplastic elastomer, bottom side of elastomer is covered by polypropylene fabric
- Watertight under pressure: 0,5 MPa

Product name	Content	Dimensions	Packaging	Pieces per box	Pieces per pallet
Sealing Tape “TU” for Liquid Foil and Flexible Sealing Mortar Hydro 1K	Internal corner	120/ 70 mm x 140 mm	Box	30	–
	Outer corner	120/ 70 mm x 140 mm	Box	30	–
	Wall cuff	120 x 120 mm	Box	30	–
	Floor cuff	425 x 425 mm	Box	24	–
	Tape	120 x 70 mm x 10 m	Box	36	504
	Tape	120 x 70 mm x 50 m	Box	16	96
	Tape	120 x 70 mm x 5 m	Box	32	–

## Tape “TPER”



Recommended for use together with Hydro 2K and Flexible Sealing Mortar Hydro 1K, to ensure perfect waterproofing. Effectively protects joints against penetration of water and moisture.

**APPLICATIONS:**

- Terraces, balconies, swimming pools, water tanks or other wet areas
- Protection of corners, edges, dilatation joints, floor cracks or pipe passages
- Vertical and horizontal insulation in underground parts of buildings

**BENEFITS:**

- Flexible and durable seal
- Can be used with any tile application method
- Resistant to aggressive media
- Vapour permeable

**TECHNICAL PARAMETERS:**

- Composition: tape made from: polyester mesh. Central stripe is covered from up and bottom by thermoplastic elastomer, bottom side of elastomer is covered by polypropylene fabric
- Size:
  - total wide: 80–3200 mm
  - elastomer wide: 80–3200 mm
- Watertight under pressure: 0,5 MPa

Product name	Content	Dimensions	Packaging	Pieces per box	Pieces per pallet
Tape “TPER” for Hydro 2K and Flexible Sealing Mortar Hydro 1K	Tape	120 mm x 10 m	Box	36	504
	Tape	120 mm x 50 m	Box	16	96
	Wall cuff	120 x 120 mm	Box	–	–
	Floor cuff	425 x 425 mm	Box	–	–

## Maestra 10-80 Quick-Setting Screed



Maestra Quick-Setting screed is used for subflooring inside and outside of buildings. The screed is used as the final layer for flooring panels, ceramic tiles, floorings and epoxy resin paints, carpet flooring and as a primer for self-levelling compounds. Due to its consistency, it is ideal for forming slopes.

### APPLICATIONS:

- For subflooring
- Heated floors
- Balconies and terraces
- For external and internal use

### BENEFITS:

- Foot traffic possible after 4 h
- Quick curing – 80 mm layer ready for tiles installation after 24 h
- Layer thickness from 10–80 mm
- High strength  $\geq 35$  MPa
- Water and frost resistant

### TECHNICAL PARAMETERS:

- Class: CT-C35-F7
- Application temperature:  $+5^{\circ}\text{C}$  to  $+25^{\circ}\text{C}$
- Mixing ratio: 2,75 l of water per 25 kg of dry mortar
- Pot life: ca. 15 min
- Allowed pedestrian traffic: after ca. 4 h
- Consumption:  $2,0\text{--}2,2\text{ kg/m}^2/\text{mm}$
- Bulk density: ca.  $1,65\text{ kg/dm}^3$
- Compressive strength:  $\geq 35$  MPa
- Flexural strength:  $\geq 7$  MPa
- Shrinkage: 1,25 mm/m
- Aggregate maximum diameter: 3 mm
- EN 13813:2003 CT-C35-F7

Product name	Content	Packaging	Pieces per pallet
Maestra 10-80 Quick-Setting Screed TS21	25 kg	Bag	48

## GEA 3-30 Quick-Setting Levelling Mortar



Quick-Setting Levelling Mortar intended for levelling, filling cavities, eliminating unevenness on walls and floors, inside and outside of buildings, as a primer for ceramic, stoneware, clinker tiles, natural stone, plasters, finish coats, etc. Used to form slopes on terraces, balconies, as well as in wet rooms.

### APPLICATIONS:

- For levelling, filling cavities, eliminating unevenness on walls and floors
- For creating slopes on terraces, balconies, laundry and garages
- For repairing or levelling surfaces like: concrete, cellular concrete, cement, cement-lime plasters, cements screeds, non-plastered walls made from bricks, ceramic hollow blocks, AAC, silicate blocks
- For interior and exterior use

### BENEFITS:

- Cement-based product
- Quick-setting – possibility of tiling after 4 h with a layer thickness of 1 cm
- Layer thickness 3–30 mm in a single layer
- Possibility to apply putty on the floor, wall and ceiling
- Contains traces – reduce discolouration and efflorescence
- Water and frost resistant

### TECHNICAL PARAMETERS:

- Water and frost resistant
- Setting: 1 cm thickness in 4 h
- Layer thickness: 3–30 mm
- Compressive strength:  $> 25$  MPa
- Flexural strength:  $> 4$  MPa
- EN 13813 CT-C25-F4

Product name	Content	Packaging	Pieces per pallet
GEA 3-30 Quick-Setting Levelling Mortar	25 kg	Bag	48

# Multigrunt

## Primer

Multigrunt is a concentrated primer based on two types of acrylic dispersions that strengthen the substrate, leveling the absorbency and increasing the adhesion of screeds, adhesives, plasters, and interior and exterior paints. It penetrates the substrate, strengthens the surfaces, binds the loose particles and limits the water absorption of the substrate.



### APPLICATIONS:

- Cement substrate, gypsum, anhydrite, plasterboard, autoclaved aerated concrete blocks, cement plasters, cement-lime plasters, gypsum plasters

### BENEFITS:

- Concentrated
- Increases adhesion
- Strengthens substrate
- For internal and external use
- For adhesives, plasters, paints and floor levelling

### TECHNICAL PARAMETERS:

- Application temperature (substrate, air, materials): +5°C to +25°C
- Consumption without dilution: approx. 0,2 l per 1 m<sup>2</sup>/l depending on the evenness and absorption of substrate
- Drying time: approx. 3 h
- Drying time before continuing work: 6 h after priming

Product name	Content	Packaging	Pieces per pallet	Colours
Multigrunt Primer S01	5 l	Canister	108	Transparent

# Terraces & Balconies

## Sealant & Adhesive

A waterproof, durable and elastic sealant, perfect for sealing and filling dilatation joints in terraces and balconies, as well as in building structures. It creates a waterproof, non-shrink and vibration resistant joint.



### APPLICATIONS:

- Sealing dilatation joints on balconies and terraces
- Sealing and filling dilatation joints in building structures
- Bonding construction elements

### BENEFITS:

- Extreme bonding strength
- Excellent adhesion
- Can be applied on wet substrates
- Shockproof and resistant to vibrations
- Resistant to UV radiation and weather conditions
- Will not corrode metals or discolour alkaline surfaces
- Does not require primers
- Almost odourless

### TECHNICAL PARAMETERS:

- Colours: white, grey, brown
- High modulus
- Movement accommodation: 20%
- Thermal resistance: -40°C to +90°C
- Working temperature: 0°C to +40°C

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Terraces & Balconies Sealant & Adhesive	310 ml	Cartridge	12	1 140
	600 ml	Foil	12	1 152





WATCH  
SELENA VIDEO:



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