Tile laying systems

- Tile laying on screed with heating/cooling system
- Page 6

- Tile laying on existing tiles and natural stone
- Page 8

- Ceramic laying in damp environments and showers on cement-based and gypsum substrates
- Page 10

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- Page 12

- Laying of thin and large size tiles
- Page 14

- Tile laying on anti-fracture membrane
- Page 16
Tile laying on anti-cracking membrane on screed, for internal application

Tile laying on terraces and balconies

Tile laying on anti-cracking waterproofing membrane

Tile laying in swimming pool

Tile laying on façades
Tile laying on screed with heating/cooling system

- Guarantees excellent heat diffusion
- Optimises heating system performance
- Insensitive to changes in temperature
- Fast completion of work
- System with very low VOC emissions, improves the quality of air and increases the level of health protection for operators
Expansion joints

Silicone Color
Decorative sealant for tiles and mosaic in 50 design colours. Green product for bio-building. Rating 3
Coverage see data sheet

Grouting

Fugabella® Color
Decorative Resina-cemento® (resin-cement) for grouting of ceramic and porcelain tiles, mosaic and natural stone in a 50-colour design range. Green product for bio-building. Rating 4
Coverage see data sheet

Tile laying

TR Flex S1
Deformable mineral adhesive with an extremely high natural additive content for high performance bonding of porcelain tiles, ceramic tiles and natural stone, with no vertical slip and long open time. Coverage ≈ 2 – 5 kg/m²

Substrate

Keracem® Eco Pronto
Certified, ready-to-use, eco-friendly, normal-setting and rapid-drying mineral screed to be covered with adhesives. Rating 5
Preparation of the screed ≈ 16 – 18 kg/m² per cm of thickness

Heating/cooling system

3. Water-based heating/cooling system
2. Pre-formed, high modulus insulating panel
1. PVC sheet – anti-fracture vapour barrier
Tile laying on existing tiles and natural stone

- Guarantees safe laying on existing floors
- Ideal in renovation work
- Reduces operation times
- Avoids the costs and inconvenience of removal and disposal of the existing floor
- System with very low VOC emissions, improves the quality of air and increases the level of health protection for operators
<table>
<thead>
<tr>
<th>Step</th>
<th>Product</th>
<th>Description</th>
<th>Rating</th>
<th>Additional Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Keragrip Eco</td>
<td>Certified, eco-friendly, water-based adhesion promoter for compact, absorbent and non-absorbent substrates.</td>
<td>5</td>
<td>Preparation: 0.1 – 0.2 kg/m²</td>
</tr>
<tr>
<td>2</td>
<td>TR Flex S1</td>
<td>Deformable mineral adhesive with an extremely high natural additive content for high performance bonding of porcelain tiles, ceramic tiles and natural stone, with no vertical slip and long open time.</td>
<td></td>
<td>Coverage ≈ 2 – 5 kg/m²</td>
</tr>
<tr>
<td>3</td>
<td>Fugabella® Color</td>
<td>Decorative Resina-cemento® (resin-cement) for grouting of ceramic and porcelain tiles, mosaic and natural stone in a 50-colour design range. Green product for bio-building.</td>
<td>4</td>
<td>Coverage see data sheet</td>
</tr>
<tr>
<td>4</td>
<td>Silicone Color</td>
<td>Decorative sealant for tiles and mosaic in 50 design colours. Green product for bio-building.</td>
<td>3</td>
<td>Coverage see data sheet</td>
</tr>
</tbody>
</table>

Before levelling and/or fixing, clean the old flooring thoroughly, making sure you eliminate all traces of dirt using specific cleaning products. If in doubt, sand the surface. Fix loose elements or elements that are not perfectly fixed, and fill in any gaps with specific product.
Ceramic laying in damp environments and showers on cement-based and gypsum substrates

- Guarantees the water protection of adjacent rooms
- Suitable for renovation work
- High level of chemical stability
- System with very low VOC emissions, improves the quality of air and increases the level of health protection for operators
Expansion joints

**Fugabella® Eco Silicone**
Eco-friendly, silicone, acetic, anti-mould organic sealant with a high level of elasticity for expansion-deformation joints.

Rating 4
Coverage see data sheet

Grouting

**Fugalite® Bio**
Water-based hypo-allergenic resin for waterproof, stain-proof, silk-effect grouting of porcelain tiles, natural stones and glass mosaic.

Rating 3
Coverage see data sheet

Tile laying

**TR Flex S1**
Deformable mineral adhesive with an extremely high natural additive content for high performance bonding of porcelain tiles, ceramic tiles and natural stone, with no vertical slip and long open time.

Coverage ≈ 2 – 5 kg/m²

Waterproofing

**Nanoflex® No Limits® (2nd coat)**
Super-adhesive, ultra-workable waterproof gel membrane for breathable anti-alkaline and chlorine-resistant waterproofing before laying of porcelain, ceramic tiles and natural stone.

Rating 3
Coverage ≈ 1.15 kg/m² per mm of thickness

**Aquastop 70**
140 mm non-woven polypropylene tape with high-adhesion, alkali-resistant waterproof treatment for perimeter joints to be applied with Nanoflex® No Limits®.

**Nanoflex® No Limits® (1st coat)**
Super-adhesive, ultra-workable waterproof gel membrane for breathable anti-alkaline and chlorine-resistant waterproofing before laying of porcelain, ceramic tiles and natural stone.

Rating 3
Coverage ≈ 1.15 kg/m² per mm of thickness

Substrate

**Keracem® Eco Pronto**
Certified, ready-to-use, eco-friendly, normal-setting and rapid-drying mineral screed to be covered with adhesives.

Rating 5
Preparation of the screed ≈ 16 – 18 kg/m² per cm of thickness
Tile laying in areas with heavy traffic

- Guarantees safe laying in areas subject to high levels of stress
- Ensures high resistance to static and dynamic loads
- Fast completion of work
- System with very low VOC emissions, improves the quality of air and increases the level of health protection for operators
<table>
<thead>
<tr>
<th>Step</th>
<th>Product/Service</th>
<th>Description</th>
<th>Rating</th>
<th>Preparation/Coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Keracem® Eco Prontoplus</td>
<td>Certified, ready-to-use, eco-friendly, normal-setting and rapid-drying mineral screed to be covered with adhesives.</td>
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<td>Preparation of the screed ≈ 16 – 18 kg/m² per cm of thickness</td>
</tr>
<tr>
<td>2</td>
<td>TR Flex S1</td>
<td>Deformable mineral adhesive with an extremely high natural additive content for high performance bonding of porcelain tiles, ceramic tiles and natural stone, with no vertical slip and long open time.</td>
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<td>Coverage ≈ 2 – 5 kg/m²</td>
</tr>
<tr>
<td>3</td>
<td>Fugabella® Color</td>
<td>Decorative Resina-cemento® (resin-cement) for grouting of ceramic and porcelain tiles, mosaic and natural stone in a 50-colour design range. Green product for bio-building.</td>
<td>4</td>
<td>Coverage see data sheet</td>
</tr>
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<td>4</td>
<td>Silicone Color</td>
<td>Decorative sealant for tiles and mosaic in 50 design colours. Green product for bio-building.</td>
<td>3</td>
<td>Coverage see data sheet</td>
</tr>
</tbody>
</table>
Laying of thin and large size tiles

• Guarantees safe laying of thin elements
• Ensures high resistance to compression
• Suitable for renovation work
• Reduces operation times
• System with very low VOC emissions, improves the quality of air and increases the level of health protection for operators
## Expansion joints

### Silicone Color
Decorative sealant for tiles and mosaic in 50 design colours. Green product for bio-building.

Rating 3
Coverage see data sheet

## Grouting

### Fugabella® Color
Decorative Resina-cemento® (resin-cement) for grouting of ceramic and porcelain tiles, mosaic and natural stone in a 50-colour design range. Green product for bio-building.

Rating 4
Coverage see data sheet

## Tile laying

### TLS
Levelling spacers with knobs.

### TR Flex S1
Deformable mineral adhesive with an extremely high natural additive content for high performance bonding of porcelain tiles, ceramic tiles and natural stone, with no vertical slip and long open time.

Coverage ≈ 2 – 5 kg/m²

## Anti-cracking

### TR Tex
Reinforced anti-fracture sheet. Suitable to even out tensile and sheer movements between the substrate and the surface finish. For internal floors.

### TR Fast
Certified, eco-friendly, mineral adhesive for rapid laying of all types of tile, both internally and externally. Suitable for rapid laying all types of ceramic tiles, porcelain tiles and stable natural stone, even over existing coverings. Ultra-rapid setting also at low temperatures. Prolonged workability.

Coverage ≈ 2,5 – 5 kg/m²

## Substrate

### Keracem® Eco Pronto
Certified, ready-to-use, eco-friendly, normal-setting and rapid-drying mineral screed to be covered with adhesives.

Rating 5
Preparation of the screed ≈ 16 – 18 kg/m² per cm of thickness
Tile laying on anti-fracture membrane

- Specifically for cancelling out cracks, joints and chases in the substrates
- It compensates for hygrometric shrinkage stress in uncured substrates
- Allows any laying design
- Practical and fast, immediately accessible to foot traffic
### Expansion joints

**Silicone Color**
Decorative sealant for tiles and mosaic in 50 design colours. Green product for bio-building.
Rating 3
Coverage see data sheet

### Grouting

**Fugabella® Color**
Decorative Resina-cemento® (resin-cement) for grouting of ceramic and porcelain tiles, mosaic and natural stone in a 50-colour design range. Green product for bio-building.
Rating 4
Coverage see data sheet

### Tile laying

**TR Fast**
Certified, eco-friendly, mineral adhesive for rapid laying of all types of tile, both internally and externally. Suitable for rapid laying all types of ceramic tiles, porcelain tiles and stable natural stone, even over existing coverings. Ultra-rapid setting also at low temperatures. Prolonged workability.
Coverage ≈ 2 – 5 kg/m²

**TR Tex**
Reinforced anti-fracture sheet. Suitable to even out tensile and sheer movements between the substrate and the surface finish. For internal floors.

### Anti-cracking

**TR Fast**
Certified, eco-friendly, mineral adhesive for rapid laying of all types of tile, both internally and externally. Suitable for rapid laying all types of ceramic tiles, porcelain tiles and stable natural stone, even over existing coverings. Ultra-rapid setting also at low temperatures. Prolonged workability.
Coverage ≈ 2.5 – 5 kg/m²

*Existing floor*
Tile laying on anti-cracking membrane on screed, for internal application

- Specifically for cancelling out cracks, joints and chases in the substrates
- It compensates for hygrometric shrinkage stress in uncured substrates
- Allows any laying design
- Practical and fast, immediately accessible to foot traffic
Expansion joints

Silicone Color
Decorative sealant for tiles and mosaic in 50 design colours. Green product for bio-building.
Rating 3
Coverage see data sheet

Grouting

Fugabella® Color
Decorative Resina-cemento® (resin-cement) for grouting of ceramic and porcelain tiles, mosaic and natural stone in a 50-colour design range. Green product for bio-building.
Rating 4
Coverage see data sheet

Tile laying

TR Flex S1
Deformable mineral adhesive with an extremely high natural additive content for high performance bonding of porcelain tiles, ceramic tiles and natural stone, with no vertical slip and long open time.
Coverage ≈ 2 – 5 kg/m²

Anti-cracking

Green-Pro
Uncoupling and anti-cracking waterproof membrane with high adhesion for balconies, terraces and horizontal surfaces before laying ceramic tiles or natural stone; creates a waterproof surface even when overlaid on substrates that are cracked, have not been perfectly cured or might contain vapour pressure due to residual substrate moisture content.
Coverage 23 m² with 1 roll 20 m

TR Fast
Certified, eco-friendly, mineral adhesive for rapid laying of all types of tile, both internally and externally. Suitable for rapid laying all types of ceramic tiles, porcelain tiles and stable natural stone, even over existing coverings. Ultra-rapid setting also at low temperatures. Prolonged workability.
Coverage ≈ 2.5 – 5 kg/m²
Tile laying on terraces and balconies

- Guarantees safe laying in difficult temperature and humidity conditions
- Ensures protection of the underlying structure
- Guarantees excellent resistance to changes in temperature
- Complete hydrophobicity
- Fast completion of work
- System with very low VOC emissions, improves the quality of air and increases the level of health protection for operators
### Expansion joints

**Silicone Color**
Decorative sealant for tiles and mosaic in 50 design colours.
Green product for bio-building.  
Rating 3
Coverage see data sheet

### Grouting

**Fugabella® Color**
Decorative Resina-cemento® (resin-cement) for grouting of ceramic and porcelain tiles, mosaic and natural stone in a 50-colour design range. Green product for bio-building.  
Rating 4
Coverage see data sheet

### Tile laying

**TR Flex S1**
Deformable mineral adhesive with an extremely high natural additive content for high performance bonding of porcelain tiles, ceramic tiles and natural stone, with no vertical slip and long open time.  
Coverage ≈ 2 – 5 kg/m²

### Waterproofing

**Nanoflex® No Limits® (2nd coat)**
Super-adhesive, ultra-workable waterproof gel membrane for breathable anti-alkaline and chlorine-resistant waterproofing before laying of porcelain, ceramic tiles and natural stone.  
Rating 3
Coverage ≈ 1.15 kg/m² per mm of thickness

**Aquastop AR1 – Aquastop 100**
Special reinforcing mesh made of alkali-resistant glass fibre.
Polyethylene, elastic waterproof tape coated on both sides with high-adhesion, non-woven polypropylene for perimeter and fractionizing-expansion joints.

**Nanoflex® No Limits® (1st coat)**
Super-adhesive, ultra-workable waterproof gel membrane for breathable anti-alkaline and chlorine-resistant waterproofing before laying of porcelain, ceramic tiles and natural stone.  
Rating 3
Coverage ≈ 1.15 kg/m² per mm of thickness

### Substrate

**Keracem® Eco Pronto**
Certified, ready-to-use, eco-friendly, normal-setting and rapid-drying mineral screed to be covered with adhesives.  
Rating 5
Preparation of the screed ≈ 16 – 18 kg/m² per cm of thickness
Tile laying on anti-cracking waterproofing membrane

- It waterproofs any surface, old or new, damp or dry, cracked or subject to dimensional variations
- It compensates for hygrometric shrinkage and thermal deformation stress
- It reduces on-site working times: waterproofing and laying of the coating without waiting, withstands foot traffic immediately
- It solves the problem of respecting substrate joints
Expansion joints

Silicone Color
Decorative sealant for tiles and mosaic in 50 design colours. Green product for bio-building. Rating 3 Coverage see data sheet

Grouting

Fugabella® Color
Decorative Resina-cemento® (resin-cement) for grouting of ceramic and porcelain tiles, mosaic and natural stone in a 50-colour design range. Green product for bio-building. Rating 4 Coverage see data sheet

Tile laying

TR Flex S1
Deformable mineral adhesive with an extremely high natural additive content for high performance bonding of porcelain tiles, ceramic tiles and natural stone, with no vertical slip and long open time. Coverage ≈ 2 – 5 kg/m²

Waterproofing

Aquastop 100
Certified, eco-friendly, mineral sealant for waterproof, high-adhesion sealing.

Aquastop Fix
Polyethylene, elastic waterproof tape coated on both sides with high-adhesion, non-woven polypropylene for perimeter and fractionizing-expansion joints.

Green-Pro
Uncoupling and anti-cracking waterproof membrane with high adhesion for balconies, terraces and horizontal surfaces before laying ceramic tiles or natural stone; creates a waterproof surface even when overlaid on substrates that are cracked, have not been perfectly cured or might contain vapour pressure due to residual substrate moisture content. Coverage 23 m² with 1 roll 20 m

TR Fast
Certified, eco-friendly, mineral adhesive for rapid laying of all types of tile, both internally and externally. Suitable for rapid laying all types of ceramic tiles, porcelain tiles and stable natural stone, even over existing coverings. Ultra-rapid setting also at low temperatures. Prolonged workability. Coverage = 2.5 – 5 kg/m²

Substrates: screeds, marble floor tiles, natural stone floorings anchored to the substrate, fibre-cement and plaster-board panels anchored to the substrate. Check mechanical performance and substrates integrity; check the surface cleaning.
Tile laying in swimming pool

- Ensures safe laying under continuous immersion
- It is not affected by aggressive water
- Increases the hygiene
- System with very low VOC emissions, improves the quality of air and increases the level of health protection for operators
<table>
<thead>
<tr>
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<th></th>
</tr>
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<tr>
<td><strong>Fugabella® Eco Silicone</strong></td>
<td>Eco-friendly, silicone, acetic, anti-mould organic sealant with a high level of elasticity for expansion-deformation joints. Rating 4 Coverage see data sheet</td>
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</table>

<table>
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<th>Grouting</th>
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<tr>
<td><strong>Fugalite® Bio</strong></td>
<td>Water-based hypo-allergenic resin for waterproof, stain-proof, silk-effect grouting of porcelain tiles, natural stones and glass mosaic. Rating 3 Coverage see data sheet</td>
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<tr>
<td><strong>TR Flex S1</strong></td>
<td>Deformable mineral adhesive with an extremely high natural additive content for high performance bonding of porcelain tiles, ceramic tiles and natural stone, with no vertical slip and long open time. Coverage ≈ 2 – 5 kg/m²</td>
</tr>
</tbody>
</table>

<table>
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<th>Waterproofing</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Aquastop AR1 – Aquastop 100</strong></td>
<td>Special reinforcing mesh made of alkali-resistant glass fibre.</td>
</tr>
<tr>
<td><strong>Nanoflex® No Limits® (1st coat) (2nd coat)</strong></td>
<td>Super-adhesive, ultra-workable waterproof gel membrane for breathable anti-alkaline and chlorine-resistant waterproofing before laying of porcelain, ceramic tiles and natural stone. Rating 3 Coverage ≈ 1.15 kg/m² per mm of thickness</td>
</tr>
<tr>
<td><strong>Aquastop Nanosil</strong></td>
<td>Eco-friendly rigid neutral silane sealant for waterproof sealing of hydraulic and electric systems, through elements and construction elements in pools Coverage ≈ 10 m (joint 5x5 mm) with 1 290 ml cartridge</td>
</tr>
</tbody>
</table>

Lay round coves between wall and wall, wall and floor and in all corners

<table>
<thead>
<tr>
<th>Substrate levelling</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Keralevel® Eco LR</strong></td>
<td>Certified, fast-acting, eco-friendly, mineral levelling product for the high-performance, high-thickness correction of irregular substrates. Levelling ≈ 1.5 kg/m² per mm of thickness</td>
</tr>
</tbody>
</table>
Tile laying on façades

- Guarantees safe laying in difficult temperature and humidity conditions
- Guarantees excellent resistance to changes in temperature
- System with very low VOC emissions, improves the quality of air and increases the level of health protection for operators
## Expansion joints

### Neutro Color
Decorative sealant for façades and natural stone in 12 design colours. Green product for bio-building.

Rating 3  
Coverage see data sheet

## Grouting

### Fugabella® Color
Decorative Resina-cemento® (resin-cement) for grouting of ceramic and porcelain tiles, mosaic and natural stone in a 50-colour design range. Green product for bio-building.

Rating 4  
Coverage see data sheet

## Tile laying

### TR Flex S1
Deformable mineral adhesive with an extremely high natural additive content for high performance bonding of porcelain tiles, ceramic tiles and natural stone, with no vertical slip and long open time.

Coverage ≈ 2 – 5 kg/m²

## Undercoat plaster

### GeoCalce® G Antisismico
Large-grain, breathable structural geo-mortar made from pure natural NHL lime and geo-binder – Class M15. Specific for use as a fine-grain mineral concrete to be used with electro-welded meshes in certified structural reinforcement, improvement and seismic adaptation systems. Suitable for consolidation and repair of masonry works. Certified to improve the safety of buildings.

Rating 5  
Coverage ≈ 14.5 kg/m²  
per cm of thickness