



KERAKOLL LAYING SYSTEMS

Laying guide for ceramic, porcelain tiles, mosaic and natural stone



Tiling to calcium sulphate screeds and gypsum based substrates

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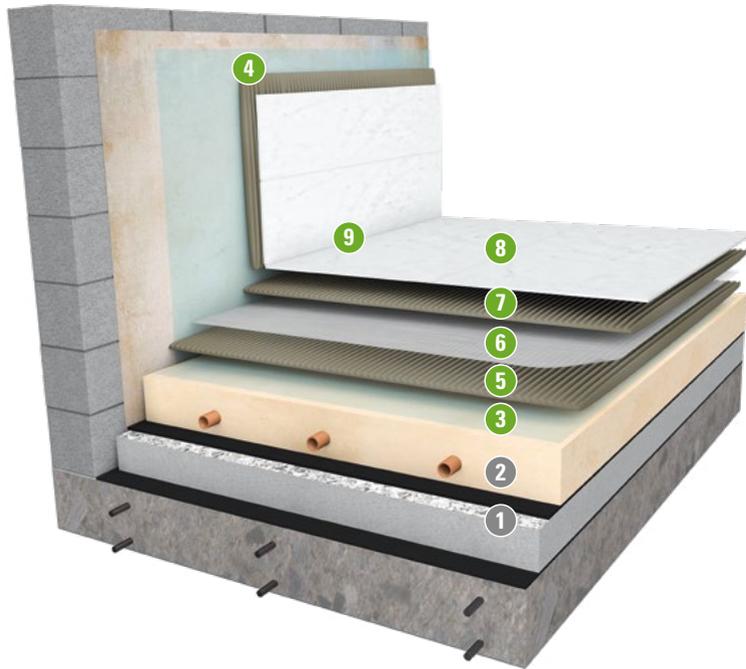
Tiling to flooring grade bitumen or asphalt substrates

Page 26



Tiling to calcium sulphate screeds and gypsum based substrates

- Guarantees safe laying on calcium sulphate substrates
- Ideal for new and existing substrates
- Compatible with heated and unheated screeds
- System with very low VOC emissions, improves the quality of air and increases the level of health protection for operators



9



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



8



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



7



Tile laying on floor

H40® Advanced

Rapid setting, multipurpose Gel-Adhesive, structural, flexible, thixotropic & fluid. For tiles and stone of all types and formats.

Rating 3
Coverage
Grey ≈ 1.3 kg/m²
per mm of thickness
White ≈ 1.2 kg/m²
per mm of thickness



6



Biotex

Recycled and thermo-bonded polyester, reinforced anti-fracture membrane, specifically designed to absorb shear stresses between substrates and bonded coatings; suitable as reinforcement for the laying of ceramic tiles of all kinds, large formats, porcelain tiles and natural stone.



5



H40® Advanced

Rapid setting, multipurpose Gel-Adhesive, structural, flexible, thixotropic & fluid. For tiles and stone of all types and formats.

Rating 3
Coverage
Grey ≈ 1.3 kg/m²
per mm of thickness
White ≈ 1.2 kg/m²
per mm of thickness



4



Tile laying on wall

H40® Gel

Standard setting, multipurpose Gel-Adhesive, structural, flexible, thixo & fluid. For tiles and stone of all types and formats.

Rating 4 Grey/3 White
Coverage
Grey ≈ 1.3 kg/m²
per mm of thickness
White ≈ 1.2 kg/m²
per mm of thickness



3



Preparation of substrates

Primer A Eco

Certified, eco-friendly, water-based primer for dry, absorbent mineral/cement/gypsum or anhydrite-based substrates.

Rating 5
Coverage
≈ 10 m² – 25 m²/1 litre



Substrate

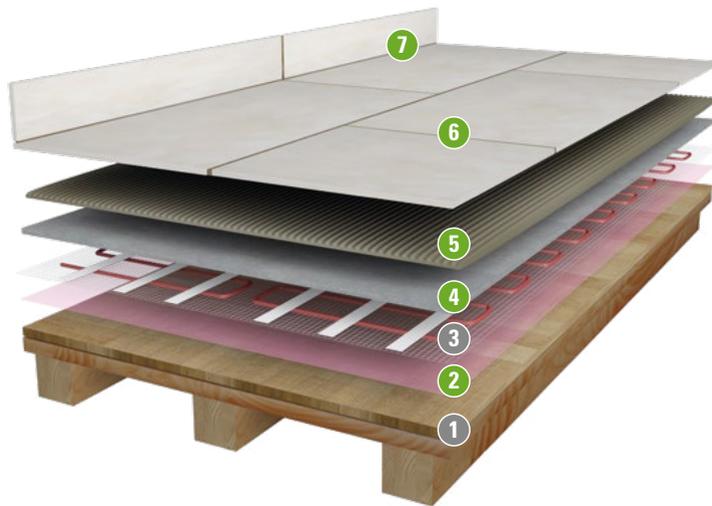
2_Calcium sulphate screed

1_Insulation and underfloor heating pipes



Tiling to wooden substrates with heating system

- Guarantees safe laying on high-deformation substrates
- 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



7_



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



6_



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



5_



Tile laying

H40® Advanced

Rapid setting, multipurpose Gel-Adhesive, structural, flexible, thixotropic & fluid. For tiles and stone of all types and formats.

Rating 3
Coverage
Grey ≈ 1.3 kg/m²
per mm of thickness
White ≈ 1.2 kg/m²
per mm of thickness



4_



Substrate levelling

Keratech® Eco R30

Certified, extra fast-acting, eco-friendly, mineral self-levelling product for the high-performance, high-thickness correction of irregular substrates.

Rating 3
Coverage
≈ 1.8 kg/m²
per mm of thickness



2_



3_ Heating system

Keragrip Eco

Certified, eco-friendly, water-based adhesion promoter for compact, absorbent and non-absorbent substrates.

Rating 5
Coverage
≈ 0.1 – 0.2 kg/m²



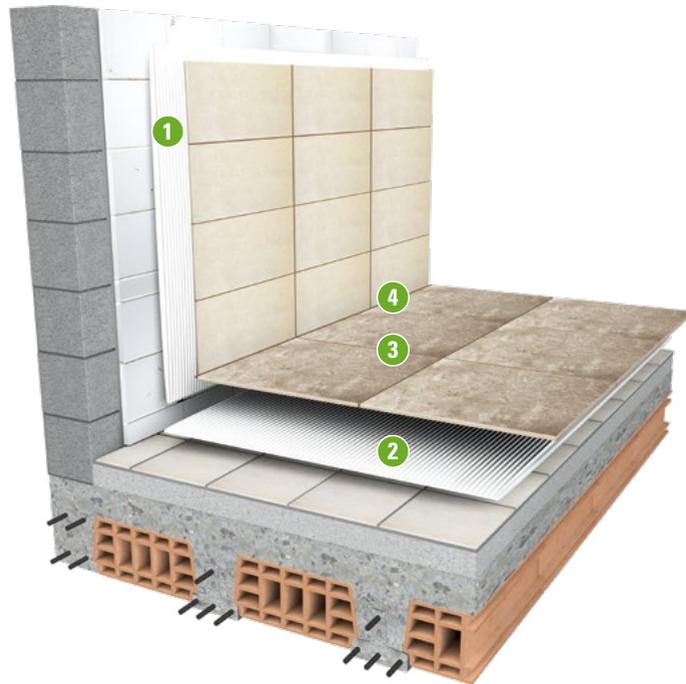
Substrate

1_ Timber panel



Tiling to existing tiles and natural stone

- Guarantees safe laying on existing floors and walls
- Ideal in renovation work
- Reduces operation times
- Avoids the costs and inconvenience of removal and disposal of the existing floor and wall tiles
- System with very low VOC emissions, improves the quality of air and increases the level of health protection for operators



4_



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



3_



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



2_



Tile laying on floor

H40® Advanced

Rapid setting, multipurpose gel-adhesive, structural, flexible, thixotropic & fluid. For tiles and stone of all types and formats.

Rating 3
Coverage
Grey ≈ 1.3 kg/m²
per mm of thickness
White ≈ 1.2 kg/m²
per mm of thickness



1_



Tile laying on wall

H40® Gel

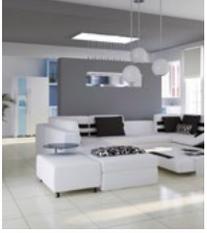
Standard setting, multipurpose gel-adhesive, structural, flexible, thixotropic & fluid. For tiles and stone of all types and formats.

Rating 4 Grey/3 White
Coverage
Grey ≈ 1.3 kg/m²
per mm of thickness
White ≈ 1.2 kg/m²
per mm of thickness



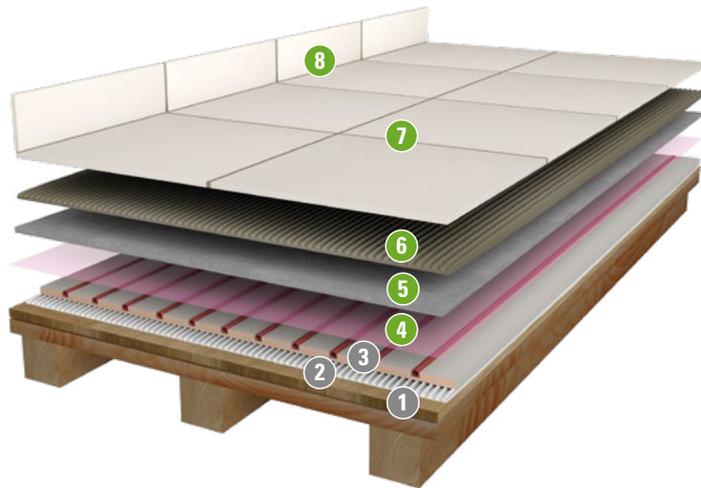
Substrate

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.



Tiling to low profile heating panels

- Guarantees safe laying
- 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



8



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



7



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



6



Tile laying

H40® Advanced

Rapid setting, multipurpose Gel-Adhesive, structural, flexible, thixotropic & fluid. For tiles and stone of all types and formats.

Rating 3
Coverage
Grey ≈ 1.3 kg/m²
per mm of thickness
White ≈ 1.2 kg/m²
per mm of thickness



5



Substrate levelling

Keratech® Eco R30

Certified, extra fast-acting, eco-friendly, mineral self-levelling product for the high-performance, high-thickness correction of irregular substrates.

Rating 3
Coverage
≈ 1.8 kg/m²
per mm of thickness



4



Preparation of substrates

Keragrip Eco

Certified, eco-friendly, water-based adhesion promoter for compact, absorbent and non-absorbent substrates.

Rating 5
Coverage
≈ 0.1 – 0.2 kg/m²



Substrate

3_Low profile heating panel

2_Adhesive

1_Timber panel



Tiling in damp environments and showers on wooden 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



10_



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



9_



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



8_



Tile laying

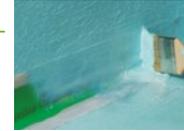
H40® Gel

Standard setting, multipurpose Gel-Adhesive, structural, flexible, thixo & fluid. For tiles and stone of all types and formats.

Rating 4 Grey/3 White
Coverage
Grey ≈ 1.3 kg/m²
per mm of thickness
White ≈ 1.2 kg/m²
per mm of thickness



7_



Waterproofing

Nanodefense® Eco (2nd coat)

Certified, eco-friendly, organic, water-based, mineral waterproofing product for absorbent substrates in damp environments.

Rating 5
Coverage ≈ 0.75 kg/m²
per coat



6_



Aquastop 120

Flexible NBR waterproof joint for perimeter and fractionizing joints in waterproofing systems. For use under ceramic and porcelain tiles and natural stone. Bonds directly on application.



5_



Nanodefense® Eco (1st coat)

Certified, eco-friendly, organic, water-based, mineral waterproofing product for absorbent substrates in damp environments.

Rating 5
Coverage ≈ 0.75 kg/m²
per coat



4_ Cement board

3_



H40® Advanced

Rapid setting, multipurpose Gel-Adhesive, structural, flexible, thixotropic & fluid. For tiles and stone of all types and formats.

Rating 3
Coverage
Grey ≈ 1.3 kg/m²
per mm of thickness
White ≈ 1.2 kg/m²
per mm of thickness



Preparation of substrates

2_



Keragrip Eco

Certified, eco-friendly, water-based adhesion promoter for compact, absorbent and non-absorbent substrates.

Rating 5
Coverage
≈ 0.1 – 0.2 kg/m²



Substrate

1_ Timber panel on floor / Backer Board panel on wall



Tiling on terraces and balconies

- Guarantees safe laying in difficult temperature and humidity conditions
- Ensures protection of the underlying structure
- Guarantees excellent resistance to temperature variations
- 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



8



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



7



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



6



Tile laying

H40® Advanced

Rapid setting, multipurpose Gel-Adhesive, structural, flexible, thixotropic & fluid. For tiles and stone of all types and formats.

Rating 3
Coverage
Grey ≈ 1.3 kg/m²
per mm of thickness
White ≈ 1.2 kg/m²
per mm of thickness



5



Waterproofing

Aquastop Nanoflex® (2nd coat)

Certified, eco-friendly, breathable, anti-alkali and chlorine-resistant, mineral membrane for the flexible waterproofing with high levels of adhesion and durability of substrates before laying with adhesives.

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



4



Aquastop AR1

Special reinforcing mesh made of alkali-resistant glass fibre to strengthen the eco-friendly Aquastop Nanoflex® and Aquastop Flex membrane.



3



Aquastop Nanoflex® (1st coat)

Certified, eco-friendly, breathable, anti-alkali and chlorine-resistant, mineral membrane for the flexible waterproofing with high levels of adhesion and durability of substrates before laying with adhesives.

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



2



Aquastop 120

Flexible NBR waterproof joint for perimeter and fractionizing joints in waterproofing systems. For use under ceramic and porcelain tiles and natural stone. Bonds directly on application.



1



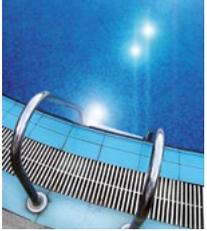
Substrate

Keracem Eco

Certified, eco-friendly, normal-setting and quick-drying mineral hydraulic binder for high-performance screeds. Ideal for underfloor heating systems.

Rating 2
Coverage
see data sheet





Tiling in swimming pools

- 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



7



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



6



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



5



Tile laying

H40® Gel

Standard setting, multipurpose Gel-Adhesive, structural, flexible, thixo & fluid. For tiles and stone of all types and formats.

Rating 4 Grey/3 White
Coverage
Grey ≈ 1.3 kg/m² per mm of thickness
White ≈ 1.2 kg/m² per mm of thickness



4



Waterproofing

Aquastop Nanosil

Eco-friendly rigid neutral silane sealant for waterproof sealing of hydraulic and electric systems, through elements and construction elements in pools and in Kerakoll® waterproofing systems.

Rating 4
Coverage ≈ 10 m (joint 5x5 mm) with 1 cartridge (290 ml)



3



Aquastop Nanoflex® (1st coat) (2nd coat)

Certified, eco-friendly, breathable, anti-alkali and chlorine-resistant, mineral membrane for the flexible waterproofing with high levels of adhesion and durability of substrates before laying with adhesives.

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



To be reinforced with **Aquastop AR1**, special reinforcing mesh made of alkali-resistant glass fibre.

2



Aquastop 120

Flexible NBR waterproof joint for perimeter and fractionizing joints in waterproofing systems. For use under ceramic and porcelain tiles and natural stone. Bonds directly on application.



1



Wall levelling

Keralevel® Eco LR

Certified, fast-acting, eco-friendly, mineral levelling product for the high-performance, high-thickness correction of irregular substrates.

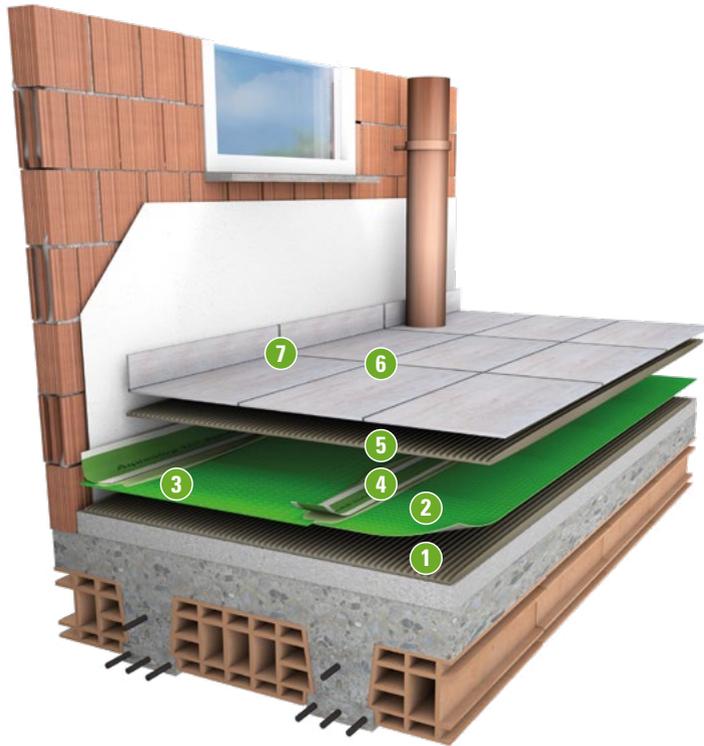
Rating 3
Coverage ≈ 1.3 kg/m² per mm of thickness





Tiling to external surfaces

- 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



7



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



6



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



5



Tile laying

H40® Advanced

Rapid setting, multipurpose Gel-Adhesive, structural, flexible, thixotropic & fluid. For tiles and stone of all types and formats.

Rating 3
Coverage
Grey ≈ 1.3 kg/m²
per mm of thickness
White ≈ 1.2 kg/m²
per mm of thickness



4



Waterproofing

Aquastop 120

Flexible NBR waterproof joint for perimeter and fractionizing joints in waterproofing systems. For use under ceramic and porcelain tiles and natural stone. Bonds directly on application.



3



Aquastop Fix

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

Rating 2
Coverage ≈ 0.8 kg/m²



2



Aquastop Green

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



1



H40® Advanced

Rapid setting, multipurpose Gel-Adhesive, structural, flexible, thixotropic & fluid. For tiles and stone of all types and formats.

Rating 3
Coverage
Grey ≈ 1.3 kg/m²
per mm of thickness
White ≈ 1.2 kg/m²
per mm of thickness

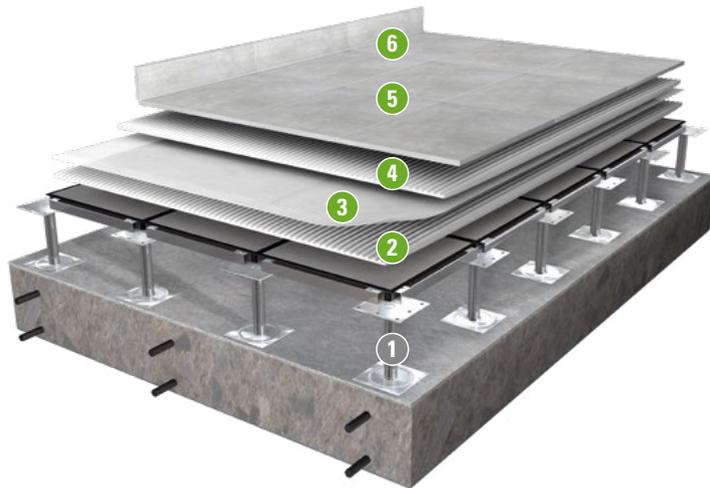


Substrates: screeds, marble floor tiles, natural stone floorings anchored to the substrate, fibre-cement and plaster-board panels anchored to the substrate. Check mechanical performance and substrates integrity; check the surface cleaning.



Tiling to raised access flooring

- Guarantees safe laying
- Low profile system
- Fast completion of work
- System with very low VOC emissions, improves the quality of air and increases the level of health protection for operators



6_



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



5_



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



4_



Tile laying

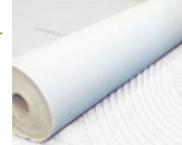
H40® Extreme

Highly deformable and workable Hybrid Gel-Adhesive, tested for extreme conditions and uses.

Rating 2
Coverage
≈ 1.45 kg/m²
per mm of thickness



3_



Biotex

Recycled and thermo-bonded polyester, reinforced anti-fracture membrane, specifically designed to absorb shear stresses between substrates and bonded coatings; suitable as reinforcement for the laying of ceramic tiles of all kinds, large formats, porcelain tiles and natural stone.



2_



H40® Extreme®

Highly deformable and workable Hybrid Gel-Adhesive, tested for extreme conditions and uses.

Rating 2
Coverage
≈ 1.45 kg/m²
per mm of thickness



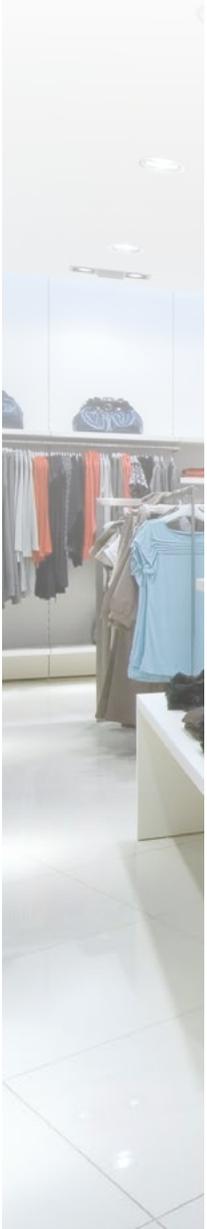
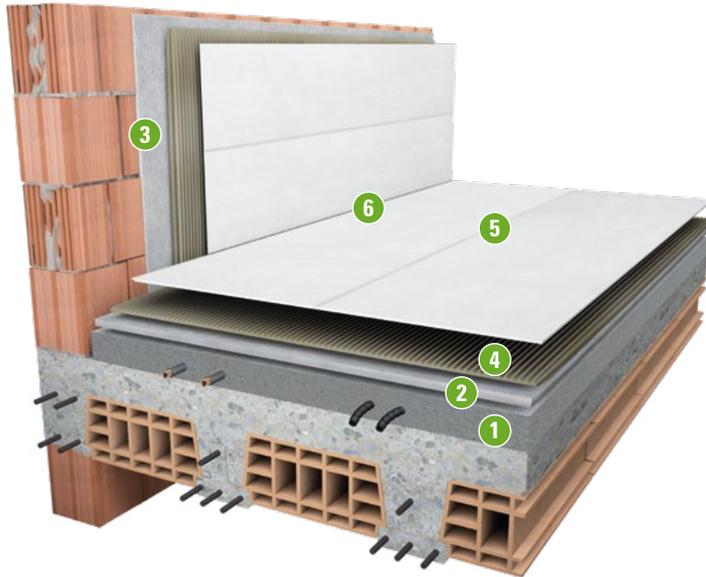
Substrate

1_ Raised access flooring system



Tiling with thin and large format 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



6



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



5



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



4



Tile laying

H40® Gel

Standard setting, multipurpose Gel-Adhesive, structural, flexible, thixo & fluid. For tiles and stone of all types and formats.

Rating 4 Grey/3 White
Coverage
Grey ≈ 1.3 kg/m²
per mm of thickness
White ≈ 1.2 kg/m²
per mm of thickness



3



Wall levelling

Keralevel® Eco LR

Certified, fast-acting, eco-friendly, mineral levelling product for the high-performance, high-thickness correction of irregular substrates.

Rating 3
Coverage ≈ 1.3 kg/m²
per mm of thickness



2



Substrate levelling

Keratech® Eco R30

Certified, extra fast-acting, eco-friendly, mineral self-levelling product for the high-performance, high-thickness correction of irregular substrates.

Rating 3
Coverage ≈ 1.8 kg/m²
per mm of thickness



1



Substrate

Keracem® Eco

Certified, eco-friendly, normal-setting and quick-drying mineral hydraulic binder for high-performance screeds. Ideal for underfloor heating systems.

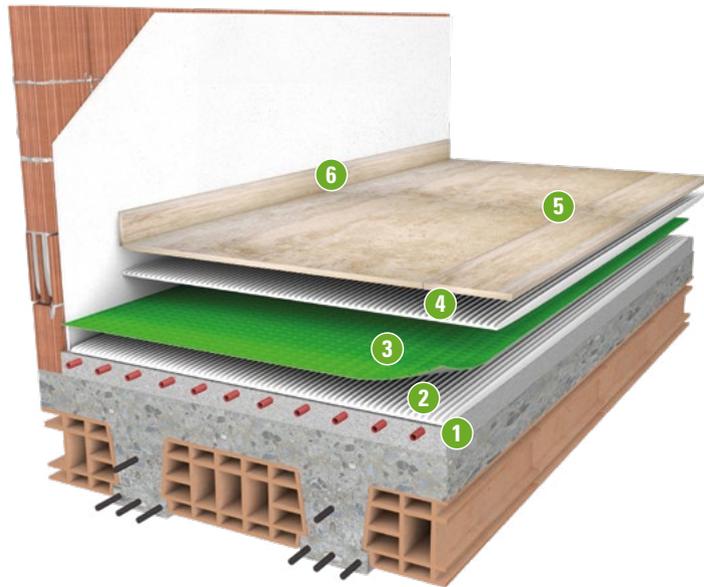
Rating 2
Coverage
see data sheet





Anti-cracking tiling to screed with heating system

- Specifically for cancelling out cracks and joints in the substrate
- Uncoupling system to compensate for hygrometric shrinkage stresses
- Practical and fast, immediately accessible to foot traffic
- Guarantees safe laying in difficult conditions
- System with very low VOC emissions, improves the quality of air and increases the level of health protection for operators



6



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



5



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



4



Tile laying

H40® Advanced

Rapid setting, multipurpose gel-adhesive, structural, flexible, thixotropic & fluid. For tiles and stone of all types and formats.

Rating 3
Coverage
Grey ≈ 1.3 kg/m²
per mm of thickness
White ≈ 1.2 kg/m²
per mm of thickness



3



Anti-cracking

Aquastop Green

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



2



H40® Advanced

Rapid setting, multipurpose gel-adhesive, structural, flexible, thixotropic & fluid. For tiles and stone of all types and formats.

Rating 3
Coverage
Grey ≈ 1.3 kg/m²
per mm of thickness
White ≈ 1.2 kg/m²
per mm of thickness



1



Substrate

Keracem® Eco

Certified, eco-friendly, normal-setting and quick-drying mineral hydraulic binder for high-performance screeds. Ideal for underfloor heating systems.

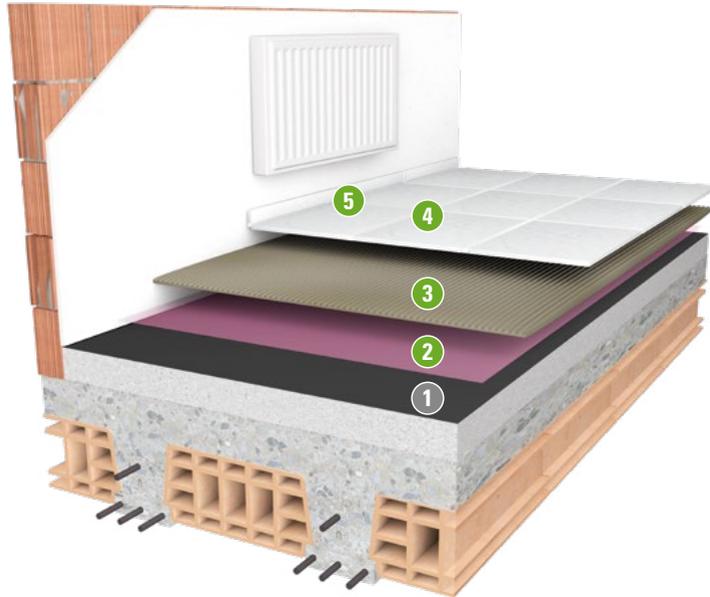
Rating 2
Coverage
see data sheet





Tiling to flooring grade bitumen or asphalt substrates

- Guarantees safe laying
- Ideal in renovation work
- Fast completion of work
- System with very low VOC emissions, improves the quality of air and increases the level of health protection for operators



5



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



4



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



3



Tile laying

H40® Advanced

Rapid setting, multipurpose Gel-Adhesive, structural, flexible, thixotropic & fluid. For tiles and stone of all types and formats.

Rating 3
Coverage
Grey ≈ 1.3 kg/m²
per mm of thickness
White ≈ 1.2 kg/m²
per mm of thickness



2



Preparation of substrates

Keragrip Eco

Certified, eco-friendly, water-based adhesion promoter for compact, absorbent and non-absorbent substrates.

Rating 5
Coverage
≈ 0.1 – 0.2 kg/m²



Substrate

1_Bitumen/asphalt

N.B.

The coverage information is to be considered merely indicative.

Storage information refers to the product in its original packaging, which carries all the specific information on product storage.

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