

KERAKOLL LAYING SYSTEMS

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





Tiling to calcium sulphate screeds and gypsum based substrates



Tiling to wooden substrates with heating system



Tiling to existing tiles and natural stone



Tiling to low profile heating panels

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Tiling to raised access flooring



Tiling with thin and large format tiles

Anti-cracking tiling to screed with heating system

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Tiling to flooring grade bitumen or asphalt substrates

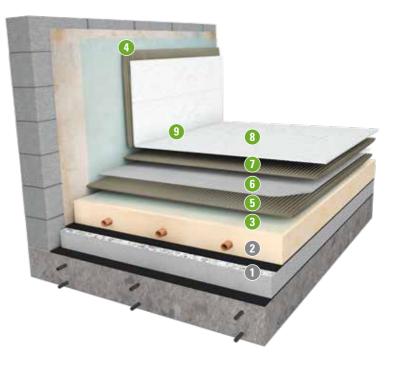
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Tiling to calcium sulphate screeds and gypsum based substrates

- 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





Silicone Color

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



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Fugabella® Color

Grouting

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

Rating 3

Coverage

 $Grey \approx 1.3 \text{ kg/m}^2$

per mm of thickness White $\approx 1.2 \text{ kg/m}^2$ per mm of thickness



Tile laying on floor H40[®] Advanced

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

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.

H40[®] Advanced

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

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





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 \approx 1.3 kg/m² per mm of thickness White \approx 1.2 kg/m² per mm of thickness

Rating 5

Coverage $\approx 10 \text{ m}^2 - 25 \text{ m}^2/1 \text{ litre}$





Primer A Eco

Preparation of substrates

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

Substrate

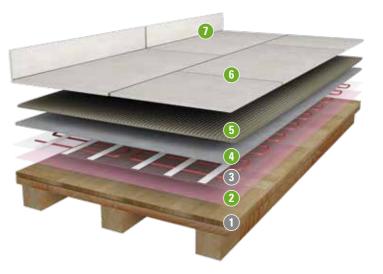
- 2_Calcium sulphate screed
- 1_Insulation and underfloor heating pipes

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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





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

H40[®] Advanced

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

Rating 3 Coverage $Grey \approx 1.3 \text{ kg/m}^2$ per mm of thickness White ≈ 1.2 kg/m² per mm of thickness



Keratech® Eco R30

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

Rating 4 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 $\approx 0.1 - 0.2 \text{ kg/m}^2$



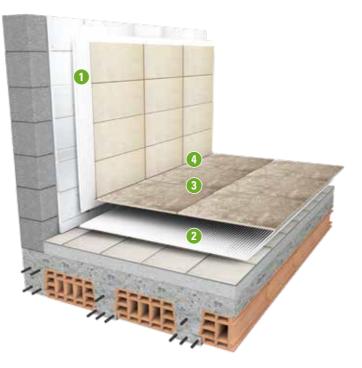
Substrate

1 Timber panel





- 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





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 on floor

Tile laying on wall

H40[®] Advanced

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

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



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 \approx 1.3 kg/m² per mm of thickness White \approx 1.2 kg/m² per mm of thickness



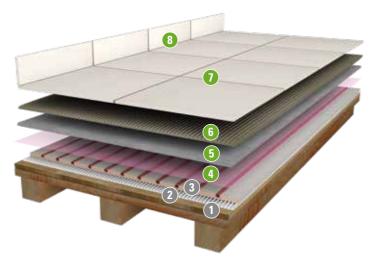
Substrate

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





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 laving

H40[®] Advanced

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

Rating 3 Coverage $Grey \approx 1.3 \text{ kg/m}^2$ per mm of thickness White ≈ 1.2 kg/m² per mm of thickness



5

Keratech® Eco R30

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

Rating 4 Coverage ≈ 1.8 kg/m² per mm of thickness





Preparation of substrates

Keragrip Eco

Certified, eco-friendly, water-based adhesion promoter for compact, absorbent and non-absorbent substrates. Rating 5 Coverage $\approx 0.1 - 0.2 \text{ kg/m}^2$



Substrate

- 3 Low profile heating panel
- 2_Adhesive
- 1 Timber panel





- 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		
10_		Silicone Color		
×.) <u> </u>	Decorative sealant for tiles and mosaic in 50 design colours. Green product for bio-building.	Rating 3 Coverage see data sheet	
		Grouting		
9_	J	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		
8		H40® Gel	D. (: 4.0. (0) M/L ::	
_		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/m ² per mm of thickness White ≈ 1.2 kg/m ² per mm of thickness	181
_		Waterproofing		
7_		Nanodefense [®] Eco (2 nd 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	NE N	Aquastop 120		
	Jan Star	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.		(H)
5_		Nanodefense [®] Eco (1 st 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_	Y	H40 [®] Advanced	Poting 2	
		Rapid setting, multipurpose Gel-Adhesive, structural, flexible, thixotropic & fluid. For tiles and stone of all types and formats.	Rating 3 Coverage Grey \approx 1.3 kg/m ² per mm of thickness White \approx 1.2 kg/m ² per gen of thickness	K



Preparation of substrates

Keragrip Eco

Substrate

Expansion joints

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

Rating 5 Coverage ≈ 0.1 – 0.2 kg/m²

per mm of thickness



a (-

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







Silicone Color

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

Rating 3 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





H40[®] Advanced

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

Rating 3 Coverage Grev ≈ 1.3 ka/m² per mm of thickness . White ≈ 1.2 ka/m² per mm of thickness



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



Aquastop AR1

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

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





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.

Substrate

Keracem Eco

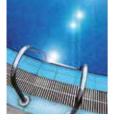
Certified, eco-friendly, hydraulic, normal-setting and rapid-drving mineral binder for high-performance screeds and heat-radiant slabs.

Rating 2 Coverage see data sheet





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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



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





Tile laying H40® Gel

Waterproofing Aquastop Nanosil

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

Eco-friendly rigid neutral silane sealant for waterproof

sealing of hydraulic and electric systems, through

elements and construction elements in pools and in

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

Rating 4

Rating 3

Coverage ≈ 10 m

cartridge (290 ml)

(ioint 5x5 mm) with 1

Coverage ≈ 1.15 kg/m²

per mm of thickness



4_





Aquastop Nanoflex® (1st coat) (2nd coat) Certified, eco-friendly, breathable, anti-alka

Kerakoll® waterproofing systems.

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.

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

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.

Wall levelling

Keralevel® Eco LR

Certified, fast-acting, eco-friendly, mineral levelling product for the high-performance, high-thickness correction of irregular substrates. Rating 5 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







Silicone Color

Decorative sealant for tiles and mosaic in 50 design colours. Green product for bio-building. Rating 3 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

H40[®] Advanced

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

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



	e	Flexit fracti under Bond
		Certif high-
2_		Aqua Unco

Waterproofing Aquastop 120

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

Aquastop Fix

ertified, eco-friendly, mineral sealant for waterproof, igh-adhesion sealing.

Rating 2 Coverage ≈ 0.8 kg/m



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.

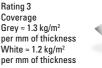
H40[®] Advanced

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

Coverage 23 m² with 1 roll 20 m







Substrates: screeds, marble floor tiles, natural stone floorings anchored to the substrate, fibrecement 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 ٠
- Low profile system ٠
- Fast completion of work ٠
- System with very low VOC emissions, improves the quality of air and increases the level of health protection for operators







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**

Tile laying H40[®] Extreme

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.

Highly deformable and workable Hybrid Gel-Adhesive,

tested for extreme conditions and uses.

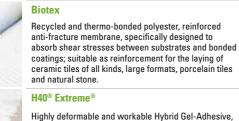
Rating 4 Coverage see data sheet

Rating 2

Coverage ≈ 1.45 kg/m² per mm of thickness







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

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



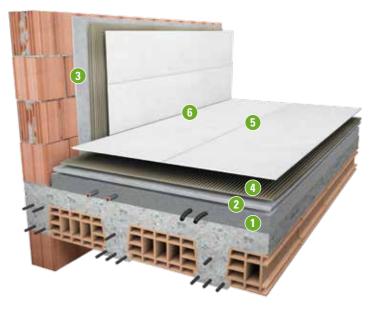
Substrate

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







Silicone Color

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

Rating 3 Coverage see data sheet





stone in a 50-colour design range. Green product for bio-building.

Tile laving

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

Rating 4 Coverage see data sheet





H40[®] Gel

Rating 4 Grey/3 White Coverage $Grey \approx 1.3 \text{ kg/m}^2$ per mm of thickness White $\approx 1.2 \text{ kg/m}^2$ per mm of thickness





Wall levelling Keralevel® Eco LR

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

Rating 5 Coverage ≈ 1.3 kg/m² per mm of thickness





Substrate levelling

Keratech® Eco R30

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

Rating 4 Coverage ≈ 1.8 kg/m² per mm of thickness





Substrate

Keracem[®] Eco

Certified, eco-friendly, hydraulic, normal-setting and rapid-drying mineral binder for high-performance screeds and heat-radiant slabs

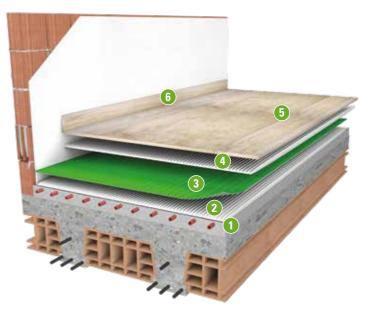
Rating 2 Coverage see data sheet





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







Silicone Color

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

Rating 3 Coverage see data sheet





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

Rating 3

Coverage

 $Grey \approx 1.3 \text{ kg/m}^2$





Tile laving

H40[®] Advanced

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

per mm of thickness White ≈ 1.2 kg/m² per mm of thickness





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.



2

H40[®] Advanced

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

Coverage 23 m² with 1 roll 20 m

Rating 3 Coverage $Grey \approx 1.3 \text{ kg/m}^2$ per mm of thickness White ≈ 1.2 kg/m² per mm of thickness





Substrate

Keracem[®] Eco

Certified, eco-friendly, hydraulic, normal-setting and rapid-drving mineral binder for high-performance screeds and heat-radiant slabs.

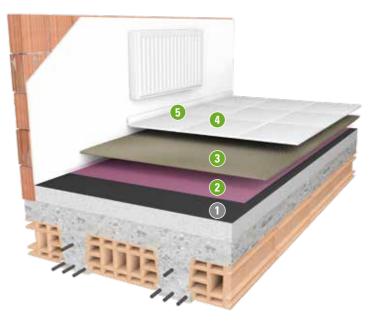
Rating 2 Coverage see data sheet





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





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

H40[®] Advanced

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

Rating 3 Coverage Grey \approx 1.3 kg/m² per mm of thickness White \approx 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.

The Catalogue is drafted on the basis of our best technical and practical knowledge. The classifications refer to the GreenBuilding Rating® Manual 2013 and Carbon FootPrint data are calculated using the LCA method according to standards ISO 14040-44 (ref. GBR Data Report 02.22). All rights reserved. © Kerakoll. All rights to the content of this publication are reserved in accordance with applicable law. The duplication, publication, and distribution, in full or in part, of all material contained herein, are expressly forbidden without written authorization.

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Products for professional use. For information on the product safety data, refer to the corresponding sheets provided in accordance with the law along with the health labelling on the packaging.



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