

## KERAKOLL CBMA FLOORPLEX BLUE SPECIFICATION:

All ceramic tile-related installations shall be made in accordance with the most recent edition of the **Australian Standard AS3958 and ISO13007 (AS4992)**.

All waterproofing-related installations or products shall comply the relevant sections of the most recent editions of the Australian Standards **AS/NZS4858**

(performance), **AS3740 (internal)** or **AS4654 (external)**.

**THIS SPECIFICATION IS BASED ON SAMPLES PROVIDED AND TESTED.**

**Technical Support: 0499 995 352**

## SILICA and EFFLORESCENCE FREE SPECIFICATION

All substrates must be structurally sound, dry, solid and stable. The substrates should be cleaned and prepared according to the relevant standards and per **Kerakoll's Technical Data Sheets**.

### PRIMING 1 COAT

#### Keratrade Keraseal-2 Part Epoxy Primer/ Vapour Barrier Applicable for Green/Damp Substrates



#### Application

Combine the two components in the ratio 1 part by volume of part A to 1 part by volume of part B, Mix Ratio 1:1.

Mix thoroughly for a minimum of 2 minutes until again homogeneous. Avoid trapping air during mixing (a mixing paddle is recommended); this may cause pin-holing in the coating during application.

**DO NOT ALLOW THE PRODUCT TO DRY LONGER THAN 48HRS BEFORE APPLYING SUBSEQUENT COATINGS. IF WAIT TIMES ARE LONGER THAN 48HRS, THEN THE PRODUCT MUST BE RE-ACTIVATED BY APPLYING ANOTHER COAT OF KERASEAL 2-PART EPOXY PRIMER.**

Applying with a brush or roller, ensure to work the material into the substrate surface to fill voids and eliminate pin holing. Successive coats should be applied at right angles to the previous coat.

Use a mohair long nap roller approximately **8 – 10mm**.

It is recommended that as the application progresses, the coating depth be tested at random points with a wet film gauge/comb to check film thickness is achieved. The film thickness should be **250 – 300 microns thick per coat**.

**Temperature range for application from +10 °C to +35°C**

**Regulation of substrate absorption after 1 hr**

**Approximate Coverage 3 Sqm per litre per coat**

### PRIMING 1 COAT

#### Kerakoll Keragrip Eco Non-Porous Primer Applicable for Dry Substrates



#### Application

Non-absorbent substrates: pour Keragrip Eco directly from the can onto the substrate to be covered. Apply a fine, uniform film, preferably using a roller made of fine/medium-grain sponge or short, synthetic fibre and always spread the product in the same direction. Subsequently, repeat the operation on the same surface, with a pass perpendicular to the first. Proceed in this manner until the substrate has been covered completely. The distinct colouring of Keragrip Eco allows the user to check whether the application is complete and uniform. Absorbent, compact substrates: once diluted into an open container, Keragrip Eco can be applied by dipping a roller or brush directly into the container. **Continued...**

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This method will avoid the problem of partial absorption caused by having poured Keragrip Eco directly onto an absorbent surface before beginning to spread the product. Apply the product as in the case of non-absorbent substrates. Before overlaying, wait at least one hour (at +23 °C, 50% R.H.) and make sure the film of Keragrip Eco has hardened and is 'touch dry', presenting only a minor degree of stickiness to the touch.

### TECHNICAL DATA

Appearance red liquid Specific weight  $\approx 1,01 \text{ kg/dm}^3$  Shelf life  $\approx 12$  months in the original packaging Warning protect from frost, avoid direct exposure to sunlight and sources of heat Pack 5 kg cans Dilution ratio on absorbent substrates 1 part Keragrip Eco : 0.5 – 1 parts water Viscosity  $\approx 1400 \text{ mPa} \cdot \text{s}$ , rotor 5 RPM 50 Brookfield method pH  $\approx 7,2$  Temperature range for application from +5 °C to +35 °C Waiting time before laying from 1 to 24 hrs Coverage  $\approx 0,1 - 0,2 \text{ kg/m}^2$

[https://products.kerakoll.com/yeprepository/kerakoll/media/Keragrip\\_eco\\_rating\\_2019\\_\(en\).pdf](https://products.kerakoll.com/yeprepository/kerakoll/media/Keragrip_eco_rating_2019_(en).pdf)

## DETAILING

### Kerakoll Aquastop 120 Bandage- All Perimeter Junctions / Sheet Joints



Aqua stop 120 can be applied to horizontal and vertical joints. Laying is performed by bonding the mesh edges. To bond Aquastop 120, apply the waterproofing product to the already prepared substrate with a spreader. Lay the joint tape with the mesh side printed with the words Kerakoll facing upwards. Apply the second coat of waterproofing product to the fabric. Both the fabric edge and 5-10 mm of the tape must be covered. Where jointing operations involve corners, edges, pipes and drains, use special connection sections (internal corner, external corner, flanges). The different elements must be connected using the waterproof membrane, overlapping the edges by at least 20 mm.

#### Bandage 120mmx50m Roll

[https://kerakoll.com.au/wp-content/uploads/2022/09/Acc\\_Aquastop120\\_TDS-1.pdf](https://kerakoll.com.au/wp-content/uploads/2022/09/Acc_Aquastop120_TDS-1.pdf)

### Kerakoll Aquastop Accessories / Corners & Penetrations



Aquastop 120 corners are to be used in all internal and external corner junctions overlapping the Aquastop Bandage 120 onto the corner junctions by min 20mm using the Keratrade WPM Waterproofing.

#### Sizes Available:

- 120mm X 120mm
- 05950 350mm X 350mm
- 05946 120 INTERNAL CORNER
- 05944 120 EXTERNAL CORNER
- 

[https://kerakoll.com.au/wp-content/uploads/2022/09/Acc\\_Aquastop120\\_TDS-1.pdf](https://kerakoll.com.au/wp-content/uploads/2022/09/Acc_Aquastop120_TDS-1.pdf)

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### WATERPROOFING min 2 COAT

#### Keratrade WPM Plus Certified Class III Membrane AS/NZ4858 AS4654.1



Apply one coat of KERATRADE WPM PLUS Class 3 membrane to floors with a brush or 10mm nap roller to achieve the correct dry film thickness. Apply the second coat of Keratrade WPM perpendicular to the first coat to ensure correct coverage of the membrane.

Temperature range for application from +5 °C to +30 °C

Dilution for base coat NA

Minimum thickness per coat ≈ 0.5 mm

**Waiting time between 1st and 2nd coat ≈ 2 hours @ 23° C & 50% RH (minimum of 2 coats)**

Waiting time before laying:- min. ≥ 24 hrs @ 23° C & 50% RH (after last coat) - max ≤ 48 hrs

Coverage ≈ 1.5 L/m<sup>2</sup>

### TILING

#### Kerakoll Biogel Revolution C2S1TE White



Install tiles using Kerakoll Biogel Revolution adhesive ensuring back butter method and using a minimum 12mm notch trowel for tiles 450x450 and over.

C2TES1, For internal and external, Extended open time, Grey colour, White (**does not contain silica sand and Portland Cement**), Does not contain petrochemicals and Does not require priming on most substrates.

Multi-purpose flexible structural gel adhesive. Longer workability with accelerated adhesion for bonding even in extreme conditions of all types of material, on any substrate for any use. Eco-friendly. Ideal for use in GreenBuilding.

Doesn't cause irritation

Non thickening

Accelerated adhesion

Pack size – 25 kg bags

Mixing water **White. 6.9lt – 7.6lt per 25 kg bag**

Mixing water **Grey. 5.4lt – 6.1lt per 25 kg bag**

Pot life – **Grey = 40 min. - White Shock = 30 min.**

Apply finished thickness 2mm-15mm

Open Time - **Grey ≥ 6 min. - White Shock ≥ 6 min.**

Waiting time before grout – Grey ≈ 2 hrs - **White Shock ≈ 2 hrs**

Interval before normal use – **light foot traffic ≈ 6 – 16 hrs - heavy traffic ≈ 24 – 28 hrs**

[https://products.kerakoll.com/yep-repository/kerakoll/media/Biogel\\_Revolution\\_1121\\_en.pdf](https://products.kerakoll.com/yep-repository/kerakoll/media/Biogel_Revolution_1121_en.pdf)

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### Grout/Silicone

#### Kerakoll Fugabella Color



Fugabella Color grout finally solves the problem of efflorescence, guaranteeing a solid joint with an even finish. To achieve this, the grout shall be mixed using 700ml of water per 3Kg bag. **DO NOT ADD MORE WATER THAN SPECIFIED ON THE BAG, DOING SO SHALL HINDER THE PERFORMANCE OF FUGABELLA GROUT.**

- Does not contribute to efflorescence
- Resin Cement (No Portland Cement)
- Does not contain silica sand
- Superior flexibility
- Joint size 0 to 20mm
- Internal, External and Swimming pools
- Pot life – 50 min
- Foot traffic – 3 hrs
- Interval before normal use – 24 hr

#### Kerakoll Neutro Silicone

Decorative sealant for tiles and mosaics in 50 design colours. Green product for bio-building. Silicone Color develops a high degree of adhesion to non-absorbent surfaces, guaranteeing the integrity and water tightness of ceramic and porcelain coverings subject to deformation.

- 50-colour collection, colour designer Piero Lissoni
- Anti-mould
- High chromatic stability
- Resistant to freezing
- Ideal to seal porcelain and ceramic tiles
- Ideal for swimming pools and permanent contact with water

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Products	GBCA GreenStar	GreenBuilding Rating	VOC Emissions Rating	VOC Content g/L	Carbon Footprint ISO14067 kgCO <sub>2</sub> eq/m <sup>3</sup>	Recycled Content
<b>PRIMERS</b>						
Primer A Eco	✓	eco5	GEV-EMICODE PLUS1	<1g/L	N/A	Water Based
Keragrip Eco	✓	eco5	GEV-EMICODE PLUS1	<1g/L	N/A	Water Based
Keragrip Clear	✓	eco5	GEV-EMICODE PLUS1	<1g/L	N/A	Water Based
Keraplast Eco P6	✓	eco4	GEV-EMICODE PLUS1	<1g/L	N/A	Water Based
Keragrip Eco Pulep	✓	eco2	GEV-EMICODE PLUS1	<10g/L	N/A	N/A
<b>SCREEDS &amp; LEVELLERS</b>						
Keracem Eco	✓	eco2	GEV-EMICODE PLUS1	<3g/L	<250g	>30%
Keralevel LR	✓	eco5	GEV-EMICODE PLUS1	<1g/L	<217g	>31%
Keratech R10 Zero	✓	eco3	GEV-EMICODE PLUS1	<1g/L	<145g	>31%
Keratech HP4	✓	eco3	GEV-EMICODE PLUS1	<1g/L	<181g	>31%
Keratech Eco Flex	✓	eco4	GEV-EMICODE PLUS1	<1g/L	<130g	>31%
<b>CONCRETE RESTORATION</b>						
Geolite	✓	eco5	GEV-EMICODE PLUS1	<1g/L	<130g	>30%
Geolite Magma	✓	eco5	GEV-EMICODE PLUS1	<1g/L	<174g	>30%
Geolite Asfalto	✓	eco4	GEV-EMICODE PLUS1	<1g/L	174g	>30%
<b>WATERPROOFING</b>						
Nanodefence Eco	✓	eco5	GEV-EMICODE PLUS1	<1g/L	N/A	N/A
Aquastop Nanoflex	✓	eco3	GEV-EMICODE PLUS1	<1g/L	<145g	N/A
Aquastop Traffic	✓	eco3	GEV-EMICODE PLUS1	<1g/L	N/A	N/A
Kerabuild Osmocem	✓	eco1	GEV-EMICODE PLUS1	<1g/L	N/A	N/A
Aquastop Flex	✓	eco4	GEV-EMICODE PLUS1	<1g/L	<188g	N/A
Aquastop Fix	✓	eco2	GEV-EMICODE EC1	<1g/L	N/A	N/A
Kerabuild Ultracem	✓	eco1	GEV-EMICODE PLUS1	<1g/L	N/A	N/A
Aquastop Green	✓	N/A	GEV-EMICODE PLUS1	<1g/L	N/A	N/A
EP21	✓	eco3	GEV-EMICODE PLUS1	<3g/L	N/A	N/A
<b>ADHESIVES</b>						
Biofix Zero	✓	eco5	GEV-EMICODE PLUS1	<1g/L	<217g	>68%
Bioflex S1 Zero	✓	eco4	GEV-EMICODE PLUS1	<1g/L	<217g	>63%
Biofast	✓	eco4	GEV-EMICODE PLUS1	<1g/L	<216g	>66%
Biogel No Limits	✓	eco5	GEV-EMICODE PLUS1	<1g/L	<246g	>61%
Biogel Revolution	✓	eco4	GEV-EMICODE PLUS1	<1g/L	<246g	>53%
SLC Eco 45/3	✓	eco5	GEV-EMICODE PLUS1	<2g/L	N/A	N/A
SLC Eco L34 Hybrid	✓	eco5	GEV-EMICODE PLUS1	<2g/L	N/A	N/A
<b>GROUTS AND SILICONES</b>						
Fugabella Porcelana	✓	eco3	GEV-EMICODE PLUS1	<1g/L	N/A	>48%
Fugabell Color	✓	eco4	GEV-EMICODE PLUS1	<1g/L	<250g	>30%
Fugalite Bio	✓	eco3	GEV-EMICODE PLUS1	<10g/L	<50g	N/A
Fugaflex Eco	✓	eco4	GEV-EMICODE PLUS1	<1g/L	N/A	Water Based
Fugabell Color AM - Silicone	✓	eco3	GEV-EMICODE 1	<38g/L	N/A	N/A
Fugabell Color Neutral - Silicone	✓	eco3	GEV-EMICODE 1	<38g/L	N/A	N/A
Aquastop Nanosil - Sealant	✓	eco4	GEV-EMICODE PLUS 1	<38g/L	N/A	N/A

**BuildGreen**  
with  
**kerakoll**