

# Fugabella® Eco AM

**Eco-friendly, silicone, neutral, anti-mould organic sealant with a high level of elasticity for expansion-deformation joints, ideal for use in GreenBuilding. Solvent-free, safeguards the health of both operators and the environment.**

Fugabella® Eco AM develops neutral reticulation with no unstable, migrant components guaranteeing a perfect seal with no streaking or stains on the delicate surfaces of marble and natural stone.



GREENBUILDING RATING®					
* Rating based on average colour formulations					
			Solvent-free	No environmental hazard rating	Non-toxic and non-hazardous
RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS					

PRODUCT STRENGTHS
<ul style="list-style-type: none"> <li>• Walls and floors not subject to heavy traffic</li> <li>• Suitable on cement-based and porous material substrates</li> <li>• Ideal for marble and natural stone</li> </ul>

AREAS OF USE
<p><b>Use</b></p> <p>Elastic, waterproof sealing of expansion and connection joints on:</p> <ul style="list-style-type: none"> <li>- porcelain tiles, low thickness slabs, ceramic tiles, klinker, cotto, glass and ceramic mosaic, of all types and formats</li> <li>- bathroom fittings, showers</li> <li>- glass and wood or metal doors and windows</li> <li>- prefabricated concrete panels, exposed surfaces in concrete</li> <li>- clay bricks and natural stone</li> <li>- cement-based screeds and plasters or cement-lime mortar</li> </ul> <p>For internal and external use, including environments subject to freezing, on fractionizing, expansion and connection joints in balconies, terraces, facades, bathrooms, showers, window and door frames and swimming pools.</p> <p><b>Do not use</b></p> <p>On rubber, plastic and bituminous materials that weep oils, solvents and plasticizers; in the realisation of joints subject to abrasion.</p>

INSTRUCTIONS FOR USE
<p><b>Preparation of substrates</b></p> <p>The sides of the joints to be sealed must be perfectly dry, clean and free from any traces of grease, dust or rust. Remove all flaky or loose parts and carefully remove rust from metals. When preparing visible joints, and in order to achieve a clean sealing line, the user should protect the edges using normal adhesive tape.</p> <p><b>Preparation</b></p> <p>Fugabella® Eco AM is ready-to-use. After cutting the conical nozzle of the cartridge, cut the spout at an angle of 45° to fit the width of the seal to be realised and screw it onto the cartridge. Then insert the tube of silicone into the appropriate manual or air-powered applicator gun, start sealant extrusion and fill the joint.</p> <p><b>Application</b></p> <p>Areas close to joints must be protected with masking tape to prevent substrates from being contaminated and to ensure even sealing. Remove masking tape immediately after smoothing the sealant. Make sure the silicone has been compacted deep into the joints to ensure optimum adhesion. To achieve a perfect finish, pass a metal or plastic spreader soaked in soapy water over the surface in one, continual movement if possible. In order to ensure a reliable sealing, capable of withstanding expansion and contraction stress, the following conditions are necessary:</p> <ol style="list-style-type: none"> <li>1) the joint is applied so that movement will not exceed 25% of joint width</li> <li>2) the ratio between width and sealant depth is between 1 and 2</li> <li>3) the sealant adheres only to the sides of the joint and not to the substrate. Use Fugabella® Joint preformed polyethylene foam sub-joint layer to adapt depth and prevent adhesion to the substrate.</li> </ol>

## INSTRUCTIONS FOR USE

### Cleaning

Residual traces of sealant can be removed with common solvents such as toluene or petrol. Once hardened, Fugabella® Eco AM can only be removed by mechanical means.

## SPECIAL NOTES

Do not use in completely closed areas as the product will polymerise in atmospheric humidity.

Brush the joint within 5 minutes after application to ensure the best contact between sealant and substrate. A base coat is normally not necessary. Specific substrates (porous or made of plastic materials) may require the use of Fugabella® Eco Primer eco-friendly adhesion promoter to ensure maximum adhesion. This product is recommended for all situations at risk from dust. Fugabella® Eco AM is overpaintable 24 hours after application with alkyd resins and emulsion paints.

## TECHNICAL DATA COMPLIANT WITH KERAKOLL QUALITY STANDARD

Appearance	White or grey thixotropic paste	
Specific weight	≈ 1,02 kg/dm <sup>3</sup>	
Chemical nature	neutral cross-linked silicone sealant	
Shelf life	≈ 18 months in the original packaging	
Warning	protect from frost, and avoid direct exposure to sunlight and sources of heat	
Pack	310 ml cartridge	
Max. allowed movement	≤ 25%	ISO 9046
Joint minimum width	≥ 5 mm	
Joint max. width	≤ 25 mm	
W/D ratio sealing cross-section	> 1 / < 2	
Temperature range for application	from +5 °C to +40 °C	
Curing time	≥ 10 min.	
Reticulation	≈ 3 mm / 24 hrs	
Shrinkage	≤ 3%	DIN 52 451
Coverage	see approximate coverage table	

*Values taken at +23 °C, 50% R.H. and no ventilation.*

## COVERAGE TABLE

### Linear metres of joints sealable with one 310 ml cartridge of Fugabella® Eco AM

Depth	Width	5 mm	7 mm	10 mm	15 mm	20 mm
5 mm		≈ 12,4 m	≈ 8,9 m	≈ 6,2 m	–	–
7 mm		–	≈ 6,4 m	≈ 4,4 m	≈ 3 m	–
10 mm		–	–	≈ 3 m	≈ 2,1 m	≈ 1,6 m
15 mm		–	–	–	≈ 1,4 m	≈ 1,1 m
20 mm		–	–	–	≈ 1,1 m	≈ 0,8 m

*If an estimated coverage value has not been given, it means the joint width/depth ratio is outside the specified limits and the joint cannot be sealed.*

## PERFORMANCE

### HIGH-TECH

Shore hardness A	25	DIN 53 505
Elastic modulus	≈ 0,3 N/mm <sup>2</sup>	ISO 8339
Resistance to atmospheric agents	Excellent	
Resistance to ageing	Excellent	
Resistance to UV rays	Excellent	ISO 4892
Working temperature	from -50 °C to +150 °C	

Values taken at +23 °C, 50% R.H. and no ventilation. Data may vary depending on specific conditions at the building site.

## COLOUR CHART

### Fugabella® Eco AM colours

01 White	
03 Pearl Grey	
04 Iron Grey	
05 Anthracite	
07 Jasmin	
08 Bahama Beige	

## WARNING

### - Product for professional use

- abide by any standards and national regulations
- use at temperatures between +5 °C and +40 °C
- do not use in completely enclosed areas, as the product requires atmospheric humidity in order to polymerise effectively
- make sure the width and depth of the joint are the right size
- protect the edges of the joint with masking tape which should be removed and the joint cleaned before the product hardens
- Fugabella® Eco AM does not contain hazardous substances; in any case, use the product in well-ventilated environments and avoid contact with skin and eyes
- if necessary, ask for the safety data sheet
- for any other issues, contact the Kerakoll Worldwide Global Service - [globalservice@kerakoll.com](mailto:globalservice@kerakoll.com)

The Eco and Bio classifications refer to the GreenBuilding Rating Manual 2011. This information was last updated in November 2011 (ref. GBR Data Report - 10.11); please note that additions and/or amendments may be made over time by KERAKOLL SpA; for the latest version, see [www.kerakoll.com](http://www.kerakoll.com). KERAKOLL SpA shall therefore be liable for the validity, accuracy and updating of information provided only when taken directly from its institutional website. The technical data sheet given here is based on our technical and practical knowledge. As it is not possible for us to directly check the conditions in your building yards and the execution of the work, this information represents general indications that do not bind Kerakoll in any way. Therefore, it is advisable to perform a preliminary test to verify the suitability of the product for your purposes.