









Fugabella® Eco SPC

Eco-friendly, two-component, pourable organic sealant with a high level of resistance to abrasion for fractionizing joints, ideal for use in GreenBuilding. With reduced solvent content, safeguards the health of operators.

Fugabella® Eco SPC develops a fluid rheology specifically for continuous pouring, guaranteeing the watertightness of seals under thermal and mechanical stress in industrial and commercial flooring subject to heavy traffic.



GREENBUILDING RATING®

					
					
			Reduced solvent content 0,7 g/kg		Non-toxic and non-hazardous

RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

PRODUCT STRENGTHS

- Floors, for internal and external use
- Suitable for porcelain and ceramic tiles
- High level of adhesion to absorbent and non-absorbent substrates

AREAS OF USE

Use

Elastic, waterproof pourable floor sealing of expansion joints, gaps and cracks in:

- absorbent and non-absorbent ceramic tiled floors,
- mineral screeds Rekord® Eco Pronto, Keracem® Eco Pronto and Keracem® Eco ProntoPlus
- screeds with mineral binders Rekord® Eco and Keracem® Eco
- cement-based and concrete screeds
- industrial floors, rubber floors, PVC and hardwood floors

For internal and external use on industrial and commercial floors, also in areas subject to freezing.

Do not use

On marble and natural stone, poorly compacted, dusting surfaces, on rubber, plastic and bituminous elements or materials transuding oil, solvents and plasticizers, on damp substrates or those subject to moisture rising and swimming pools.

INSTRUCTIONS FOR USE

Preparation of substrates

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 cover the edges with protective masking using normal adhesive tape. Moisture levels, as measured with a calcium carbide hygrometer, must not exceed a maximum of 2% - 2.5% in mineral or cement-based substrates; in anhydrite-based substrates, the moisture content must not exceed 0.5%.

Preparation

Prepare Fugabella® Eco SPC with a mechanical low-rev agitator, mixing component A with component B (preset ratio 9 : 1 in the packaging) until an even paste of uniform colour is obtained. High temperatures significantly reduce the workability time, whereas the opposite holds for low temperatures. Do not use the product at substrate temperatures of less than +10 °C. To ensure the correct reticulation of Fugabella® Eco SPC, it is important to respect the exact mixing ratio.

Application

Fugabella® Eco SPC should only be used on horizontal surfaces (maximum inclination of 1%). Apply the product to the joint to be sealed, pouring it from a lipped container. The joint must be clean and dry; it must not be oily nor subject to moisture rising.

INSTRUCTIONS FOR USE

For long-lasting sealing, capable of withstanding expansion and contraction stress, the following conditions are necessary:

- 1) the joint is applied so that movement will not exceed 10% of joint width
- 2) the ratio between width and sealant depth is between 1 and 2
- 3) the sealant adheres only to the sides of the joint and not to the substrate. Use Joint preformed polyethylene foam sub-joint layer to adapt depth and prevent adhesion to the substrate.

To make the task easier, we recommend covering the edges of the joint to be sealed with masking tape that can be removed when Fugabella® Eco SPC has been levelled but is still fresh.

Cleaning

Residual traces of sealant can be removed with alcohol, acetone or toluene. Once hardened, the product can only be removed mechanically.

SPECIAL NOTES

Protect the edges of the joint with masking tape which should be removed and the joint cleaned before the product hardens. A base coat is not normally necessary; specific substrates may require the use of eco-friendly Keragrip Eco Pulep adhesion promoter to ensure maximum adhesion. The product is always recommended in situations where there is a risk of dust forming.

ABSTRACT

Fractionizing floor joints subject to wear from industrial and commercial traffic can be sealed with high levels of resistance to abrasion using a two-component, eco-friendly, pourable organic sealant, with GreenBuilding Rating® Eco 2, such as Fugabella® Eco SPC manufactured by Kerakoll Spa. The joint must be clean, dry, free from moisture rising and prepared with a suitable polyethylene foam sub-joint layer such as Joint, to be inserted at a depth of between 2/3 of the joint width and its entire width. Coverage will be ≈ 0.16 kg/m for joints measuring 1 cm in width and depth.

TECHNICAL DATA COMPLIANT WITH KERAKOLL QUALITY STANDARD

Appearance	part A: grey semi-fluid / part B: straw-colour liquid	
Specific weight	part A ≈ 1.77 kg/dm ³ / part B ≈ 1.04 kg/dm ³	
Mineralogical nature of inert material	barite	
Grading	$\approx 0 - 40$ μ m	
Flammability	No	
Shelf life	≈ 12 months in the original packaging	
Warning	Protect from frost	
	Avoid direct exposure to sunlight and sources of heat	
Pack	part A: 4.5 kg bucket / part B: 0.5 kg bottle	
Mixing ratio	part A : part B = 4.5 : 0.5	
Max. allowed movement	$\leq 10\%$	
Joint minimum width	≥ 4 mm	
Joint max. width	≤ 30 mm	
Spread	≈ 122 mm	CSTB 2893-370
Viscosity	$\approx 6,670$ mPa · s, rotor 5 RPM 30	Brookfield method
Specific weight of the mixture	$\approx 1,75$ kg/dm ³	
Pot life	≥ 1 hr (1 kg mixture)	
Temperature range for application	from +10 °C to +30 °C	
Touch-dry	≈ 8 hrs	
Foot traffic	≈ 24 hrs	
Interval before normal use	≈ 3 days	
Coverage for 10x10 mm joints	$\approx 1,6$ kg = 10 m	

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

PERFORMANCE

HIGH-TECH

Shore hardness A	50,5	
Resistance to abrasion after 28 days	≤ 0.5 g, CS10 abrasive disk, 1,000 g weight, 1,000 cycles	ASTM D 4060
Chemical resistance	Good	EN 12808
Resistance to UV rays	Excellent	
Ultimate elongation	≈ 50%	ISO 8339
Working temperature	from -40 °C to +110 °C	

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

WARNING

- **Product for professional use**
- abide by any standards and national regulations
- use at temperatures between +10 °C and +30 °C
- respect the exact mixing ratio 4.5 : 0.5
- do not apply to damp substrates or those subject to capillary moisture rising
- handle carefully, wearing rubber gloves
- ventilate the surrounding environment
- on contact with the skin, the product may provoke irritation or skin allergies
- if necessary, ask for the safety data sheet
- for any other issues, contact the Kerakoll Worldwide Global Service +39 0536 811 516 - globalservice@kerakoll.com

The Eco and Bio classifications refer to the GreenBuilding Rating® Manual 2013. This information was last updated in November 2013 (ref. GBR Data Report - 12.13); please note that additions and/or amendments may be made over time by KERAKOLL SpA, for the latest version, see 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.

Kerakoll
Quality
System

ISO 9001
CERTIFIED

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