

# Fugabella Eco PU 40

Eco-friendly, polyurethane, thixotropic organic sealant with a high level of resistance to abrasion for expansion-deformation joints.

Fugabella Eco PU 40 develops high surface hardness, guaranteeing the watertightness of seals under the most extreme levels of thermal and mechanical stress in industrial and commercial flooring subject to heavy traffic. High elastic modulus.



## Rating 1

1. Walls and floors, for internal and external use, suitable for painting
2. Suitable for porcelain and ceramic tiles
3. High level of adhesion to absorbent and non-absorbent surfaces

- × Regional Mineral  $\geq 30\%$
- × VOC Low Emission
- × Solvent  $\leq 5$  g/kg
- ✓ Low Ecological Impact
- × Health Care

Rating calcolato sulla media delle formulazioni dei colori

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## Areas of application

### → Use

Sealing of construction and connection joints subject to small movements and settling, such as:

- fractionizing joints in commercial and industrial floors
- metal roof flashings and flat roofs
- sealing joints in structural steelwork

### → Bonding of:

- building materials in general (over-tiles, roof tiles, ornamental bands)
- flanges and pipe clips around anchoring bolts, pipes and mullions
- wood, glass and metal coatings

For internal and external use on cement-based substrates, ceramic tiles, cotto, crude steel, galvanized steel, stainless steel, prepainted and plasticized steel plates, aluminium, glass, wood and synthetic resins or with any standard building material.

Do not use natural stone, surfaces with low compactness and high levels of dust formation, on bituminous structures and products transuding oil, solvents or plasticizers; on joints subject to high movement; in swimming pools.

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## 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.

The sealant must be able to move freely, hence it must not adhere to the bottom of the joint. Insert the Joint preformed, polyethylene foam technical sub-joint layer at a depth appropriate for the size of the joint to be created.

### → Preparation

Fugabella Eco PU 40 is ready-to-use.

### → Application

Before extrusion of the sealant, where applicable check that the primer coat is dry (from a minimum of 30 minutes to a maximum of 5 hours from application, depending on air temperature and humidity). Puncture the cartridge seal and screw on the nozzle after snipping off the end. Insert the tube into the manual or pneumatic sealant applicator gun, start extrusion of Fugabella Eco PU 40 and fill the joint. If the sealing process occurs inside

the joint, application of adhesive, protective paper tape will not be necessary. When applied between panels, it is advisable to lay a protection masking tape. The polyurethane paste must be compressed and made to enter deeply to ensure optimum adhesion and to avoid inclusion of air bubbles.

To achieve a perfect finish, pass a metal or plastic spreader soaked in soapy water over the surface in one, continual movement if possible. Remove any masking tape before the sealant hardens.

To promote bonding, spread Fugabella Eco PU 40 on the substrate using a fine toothed spreader.

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 25% of joint average width
- 2) the ratio between width and sealant depth must be as follows:  
1/1 for sections from 8 to 12 mm  
2/1 for sections from 12 to 35 mm

### → Cleaning

Residual traces of sealant can be removed with acetone. Once hardened, Fugabella Eco PU can only be removed by mechanical means.

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## Special notes

→ A base coat is normally not necessary. Specific substrates (porous or made of plastic materials) may require the use of an adhesion promoter to ensure maximum adhesion. This product is

recommended for all situations at risk from dust. After application of Fugabella Eco PU 40 protect sealant from rain for at least 2 hours at +20 °C.

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## Certificates and marks



\* Émission dans l'air intérieur Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).

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## Abstract

Elastic and waterproof sealing of expansion-deformation joints with eco-friendly, silicone, acetic, anti-mould organic sealant with a high level of elasticity and GreenBuilding Rating 3, CE-marked and compliant with the performance requirements indicated in Standard EN 15651, part 1, 2, 3, and 4, such as Fugabella Eco PU 40 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. One cartridge will cover  $\approx 3$  linear metres for joints with a width and depth of 1 cm.

Technical Data compliant with Kerakoll Quality Standard	
Appearance	Coloured thixotropic paste
Specific weight	≈ 1.3 kg/dm <sup>3</sup>
Chemical nature	moisture-curing polyurethane paste
Shelf life	≈ 12 months from production in the original sealed packaging
Warning	Protect from frost, avoid direct exposure to sunlight and sources of heat
Pack	310 ml cartridge
Maximum movement allowed	≈ 25%
Joint min. width	≥ 6 mm
Joint max. width	≤ 35 mm
Sealing section ratio W/D:	
- up to 12 mm	1/1
- from 12 to 35 mm	2/1
Temperature range for application	from +5 °C to +35 °C
Skinning time	≈ 45 min.
Reticulation time	≈ 3 mm / 24 hrs
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 PU 40							
Depth	Width	8 mm	10 mm	15 mm	25 mm	30 mm	35 mm
8 mm		≈ 4.8 m	–	≈ 2.5 m	–	–	–
10 mm		–	≈ 3 m	≈ 1.5 m	–	–	–
13 mm		–	–	–	≈ 0.9 m	–	–
15 mm		–	–	–	≈ 0.8 m	≈ 0.6 m	–
18 mm		–	–	–	–	≈ 0.5 m	≈ 0.4 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 A Hardness	30 – 40	ISO 868
Elastic modulus	≈ 0.35 ÷ 0.45 N/mm²	ISO 8339
Tensile strength	≥ 0.7 N/mm²	ISO 8339
Elongation at break	≥ 250%	ISO 8339
Resistance to atmospheric agents	Excellent	
Working range	from -20 °C to +80 °C	
Classification EN 15651-1	F-EXT-INT-CC	
Classification EN 15651-3	S	
Classification EN 15651-4	PW-EXT-INT-CC	

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

colour chart	
Fugabella Eco PU 40 colours	
01 White	
03 Pearl Grey	
04 Iron Grey	
05 Anthracite	

The shades shown are intended as an indication only.

# Warning

- Product for professional use

→ abide by any standards and national regulations

→ use at temperatures between +5 °C and +35 °C

→ do not use on wet or damp substrates

→ protect from rain during the first 2 hours following application
- store in a cold, dry environment

→ 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](mailto:globalservice@kerakoll.com)