Hyper Fill

Paintable acrylic sealant for filling cracks and gaps.

Hyper Fill is specifically designed to seal connections between masonry or plaster/ render and doors or windows prior to varnishing, and for filling cracks.

GREENBUILDING RATING
REF. GBR DATA REPORT 05.23
APPROVED

Rating 4

- × Regional Mineral ≥ 30%
- ✓ VOC Low Emission
- ✓ Solvent ≤ 5 g/kg
- ✓ Low Ecological Impact
- ✓ Health Care

1. Paintable
2. Soft to extrude
3. Rapid
4. UV resistant
5. Smooth surface effect

kerakoll

Areas of application

→ Intended use:
Hyper Fill is a sealant based on acrylic resins dispersed in water. It has a smooth finish and is perfect for sealing gaps or cracks prior to varnishing.
It is specifically designed to seal the following:
- connections between masonry or plaster/render and doors or windows;
- to fill gaps or cracks;
- joints in building constructions subject to medium or small movements;
- skirting boards;
- connections of various types.

Suitable for interiors and exteriors, in contact with the main building materials such as cement-based substrates (plasters, mortars, concrete), ceramic tiles, cotto, clay bricks, copper, aluminium, wood, synthetic resins, PVC.
The product can be varnished with elastomeric resins for construction. In case of varnishing, the sealant must be fully polymerized. We recommend the use of elastomeric paints, more specifically the following products:
- paints for internal use: Absolute, Decor, Keradecor White, Keradecor Paint.
- paints for external use: Kerakover Acrilex Flex, Kerakover Kompact.
- glazes: Microresina, Aqualite Eco Smalto Satinato, Aqualite Eco Smalto Lucido.

Always carry out a preliminary compatibility test between sealant and paint.

Do not use on natural stone or water-sensitive materials, on loose and dusty surfaces, on bituminous structures and products exuding oils, solvents or plasticizers; on PP/PE, Teflon and glass surfaces; in the preparation of structural joints subject to a high degree of movement. Not suitable for joints subjected to negative hydrostatic thrust and under immersion. On marble and natural stone it is advisable to carry out a test in advance.

Instructions for use

→ Each surface subjected to sealing or bonding must not include any stagnant water, and must be clean and free of grease, rust, dust and loose debris. Remove all flaky or loose parts and carefully deoxidize all metals.
When preparing visible joints, and in order to achieve a clean sealing line, it is recommended to cover the edges with a protective mask made with normal adhesive tape.
The application technician is responsible for checking that the sealant is compatible with the substrate in terms of adhesion and stain formation.
If deemed appropriate, use a primer prior to application.
The use of Keragrip Eco Pulep on metal surfaces optimises the cleanliness of the surface and the adhesion of the product to it.

→ Preparation
The product is ready-to-use. After cutting the conical nozzle of the cartridge, cut the spout at an angle of 45° to suit the width of the seal to be made and screw it onto the cartridge. Insert the cartridge of sealant into the appropriate manual or pneumatic dispensing gun.

→ Application
Before extrusion of the product, check that any applied primer coat is dry. Areas close to joints must be protected with masking tape to prevent substrates from being contaminated and to ensure even sealing. Remove the masking tape immediately after finishing.
Make sure the acrylic paste has been compacted deep into the joints to ensure optimum adhesion.
To achieve a perfect finish, pass a metal or plastic spreader soaked in water over the surface in one, continual movement if possible.
For long-lasting sealing, capable of withstanding expansion and contraction stress, the following conditions are necessary:
1. the sizing of the joint must be such that the expected movement, in both compression and extension, does not exceed 12% of its initial average width.
2. the ratio between width and sealant depth must be as follows:
   - 1/1 for sections from 4 to 10 mm
   - 2/1 for sections from 10 to 15 mm.

→ Cleaning
Residual traces of sealant can be removed with common solvents. Once hardened, the product can only be removed by mechanical means.

Special notes

→ **After applying Hyper Fill, protect the sealant from rain for at least 24 hours at +23 °C.**

Certificates and marks

CE EN 15651-1

GEV-EMICODE EC 1 PLUS very low emission

ÉMISSIONS DANS L'AIR INTÉRIEUR* A+ A+ A B C

** 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).*

Abstract

Elastic sealing of joints, gaps, couplings will be carried out with a hyper-elastic, acrylic sealant, such as Hyper Fill by Kerakoll Spa, GreenBuilding Rating 3, CE-marked and compliant with the performance requirements of Standard EN 15651, part 1.

Technical Data compliant with Kerakoll Quality Standard	
Appearance	thixotropic paste
Colour	White
Specific weight:	≈ 1.6 g/cm^3
Chemical nature	acrylic
Shelf life	≈ 18 months from production in the original sealed packaging
Warning	Protect from frost, avoid direct exposure to sunlight and sources of heat
Pack	300 ml Cartridge
Joint min. width	≥ 4 mm
Joint max. width	≤ 15 mm
Sealing section ratio W/D:	
- up to 10 mm	1/1
- from 10 to 15 mm	2/1
Temperature range for application	from +5 °C to +40 °C
Skinning time	≈ 15 – 20 min.
Reticulation time	≈ 2.5 mm / 24 hrs
Coverage	see approximate coverage table

Values taken at +23 °C, 50% R.H. and no ventilation. Data may vary depending on specific conditions at the building site, i.e.temperature, ventilation and absorbency level of the substrate and of the materials laid.

coverage table

Linear metres of joints sealable with one 300 ml Hyper Fill cartridge

Depth	Width	5 mm	8 mm	10 mm	12 mm	15 mm
5 mm		≈ 12 m	–	–	≈ 3.1 m	–
8 mm		–	≈ 4.7 m	–	≈ 2.5 m	≈ 2.5 m
10 mm		–	–	≈ 3 m	–	≈ 2 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		
VOC Indoor Air Quality (IAQ) - Volatile organic compound emissions		
Conformity	EC 1 plus GEV-Emicode	Cert. GEV 9791/11.01.02
HIGH-TECH		
Shore A Hardness	25	ISO 868
Elastic modulus	≈ 0.25 N/mm²	ISO 8339
Elongation at break	≥ 200%	ISO 8339
Tensile strength	0.6 MPa	ASTM D412
Movement capability	12.5%	
Elastic recovery	> 40%	ISO 7389
Resistance to atmospheric agents	Good	
Resistance to flow at +23 °C	≤ 3 mm	ISO 7390
Resistance to flow at +50 °C	≤ 3 mm	ISO 7390
Working temperature	from -20 °C to +80 °C	
Classification EN 15651-1	F-EXT-INT	

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 +5 °C and +40 °C
→ do not use on wet substrates
→ do not use in external applications on floors
→ store in a cold and 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

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