

Torggler

Sealants and Adhesives

ACRYL 15

High-performance paintable acrylic sealant for elastic sealing of connection joints.



- Paintable
- Adheres also to damp surfaces
- Colours: ivory, white, grey



APPLICATION AREAS

Acryl 15 is suitable for sealing flexible joints between: masonry and door and window frames; roller blind boxes and walls; prefabricated walls and ceiling panels; through pipes and rendering. It is also suitable for sealing cracks and for flexible sealing of wall panels. Once dry the product can be painted over.

MAXIMUM ATTAINABLE THICKNESSES

Sizing of the joint

Minimum width = 6 mm. For joint widths of less than 10 mm, the depth must be equal to the width of the joint and in any case not less than 6 mm. For joint widths between 10 mm and 20 mm the depth must be at least 10 mm. For widths between 20 mm and 30 mm the depth must be at least half of the width. Tools fouled with Acryl 15 should be cleaned with water while the product is still soft. Hardened product should only be removed by mechanical means or by using organic solvents (acetone, toluene).

FEATURES

Acryl 15 is a single-component rapid surface-filming sealant based on acrylic polymers dispersed in a water base. When the product is applied, the water base evaporates leaving a hardened flexible plastic mass with

excellent resistance to ageing. Acryl 15 Fast also adheres on damp substrates. It is easy to apply, does not drip and can be smoothed off quickly. The tools used for application can be washed with water. It is ideal for sealing indoor and outdoor joints with a maximum expansion of 15%. On outside surfaces Acryl 15 Fast is recommended for joints on vertical or horizontal surfaces, in all cases where water cannot collect. Acryl 15 Fast is classified as a non-structural sealant for components utilised for both internal and external facades (F-EXT/INT) in compliance with EN 15651-1.

WARNINGS

The hardening of the material takes place by evaporation of water: the sealant will lose its initial tackiness within 20 to 120 minutes depending on ambient conditions. Low temperatures and high relative humidity will slow down hardening. High temperatures and low relative humidity will accelerate hardening. Do not apply Acryl 15 when rain is forecast: once applied but not yet filmed the sealant is liable to be washed away. Sealant which has not completely hardened will be damaged by frost.

INSTRUCTIONS FOR USE

1. The sides of the joint must be solid, clean and grease-free. Acryl 15 does not require primer. With porous substrates and in the hot season we recommend dampening the surfaces. In the case of critical surfaces, to improve adhesion, it can be advantageous to apply, using a brush, a bottom coat obtained by diluting one part of sealant in 10 parts of water. Deep expansion joints must be plugged with suitable pre-forms before sealing.
2. Insert the cartridge (or bag) in the mechanical or pneumatic dispenser gun and extrude the sealant, using nozzles of a diameter that is proportional to the width of the joint.
3. Extrude an abundant quantity of sealant in the joint cavity.
4. Smooth before the surface filming has started, by applying pressure on the material to completely fill, leaving no gaps and with complete adhesion of the sealant to the sides of the joint.

TECHNICAL SPECIFICATIONS

PARAMETER AND TEST METHOD	VALUE
Density (ISO 1183-1)	1,45 g/ml
Application temperature	from +5 °C to +40 °C
Skin-over time: (MIT 45*)	approx. 140 minutes
Thorough cure	after approx. 10 days. (joint 10 x 10 mm at 20 °C – 50 % U.R.)
Resistant to heavy rainfall	after appr. 4 hours
Service temperature	from -25 °C to +85 °C
Hardness Shore A (ISO 868)	appr. 20
Elongation at break (DIN 53504 -Punch S3)	750%
Tensile strength at break (DIN 53504 – Punch S3)	1,16 N/mm ²
Modulus of elasticity at 100% (DIN 53504 -Punch S3)	0,83 N/mm ²
Stretching to breaking point (EN ISO 8339/A – Mortar support – M1)	310 %
Tensile strength at break (EN ISO 8339/A – Mortar support – M1)	0,21 N/mm ²
Modulus of elasticity at 100% (EN ISO 8339/A – Mortar support – M1)	0,21 N/mm ²
Maximum operating elongation	15%
Shrinkage	approx. 25%
Resistance to sag	excellent
Resistance to diluted acid	excellent
Resistance to bases	good

Resistance against continuous contact with water	poor
Resistance to solvent	poor
Resistance to oil and fuel	poor
Paintability	with water-based paint

* Torggler Internal Methods (MIT) are available on request.

COVERAGE GUIDE TABLE			
JOINT WIDTH X DEPTH (MM)	QUANTITY USED PER LINEAR METRE	LINEAR METRES COVERED WITH ONE CARTRIDGE	LINEAR METRES COVERED WITH ONE BAG
6x6	36 ml	8,7	16,7
8x8	64 ml	4,9	9,4
10x10	100 ml	3,1	6,0
15x10	150 ml	2,1	4,0
20x10	200 ml	1,5	3,0


Color	Grey, White
Packaging	cartridge, foil bag
Packaging size	20x600 ml, 24x310 ml
Pallet	36 cardboards, 64 cardboards

STORAGE

Acryl 15 stored in the original packaging and at a temperature between +5 and + 25, the product will keep for at least 24 months. Partly used cartridges can be stored for approx. 3 months provided they are tightly closed. Protect from frost.

CERTIFICATIONS

The declarations of performance (DoP) are available on request.

		
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Torggler S.r.l., Via Prati Nuovi 9, I – 39020 Marlengo (BZ) DoP n° 0063/14 EN 15651-1:2012 NB n° 1213		
EN 15651-1:2012: Sealants for façade for exterior/interior application (F-EXT/INT)		
Reaction to fire	Class E	EN 15651-1:2012
Release of chemical dangerous to the environment and health	NPD	

Durability		Pass
Water and air tightness	Resistance to flow	≤ 3 mm
	Loss of volume	≤ 25%
	Tensile properties (at break) at 23°C	≥ 100%

The information contained in this document is reported on the basis of our experience and knowledge; therefore, any recommendations and suggestions made are without any guarantee and must be verified before using the product by those who intend to use it, who assume all responsibility that may result from its use since the conditions of use are not under our direct control. In case of doubt, it is always advisable to make preliminary tests and/or ask for the intervention of our technicians. Torggler reserves the right to modify, replace and/or delete the items, as well as to change the product data in this document without prior notice; in this case the indications given here may no longer be valid. Always refer to the latest version of the data sheet, available at www.torggler.com. Version 22.07.2021.