

## ACRYL 10

**Paintable acrylic sealant for elastic sealing of connection joints.**



- High adhesive strength
- Paintable
- Colours: white, grey



### APPLICATION AREAS

Acryl 10 is indicated for sealing flexible joints between: masonry and door and window frames; roller blind boxes and walls; prefabricated wall and ceiling panels; through pipes and rendering. It is also suitable for sealing cracks and for the flexible sealing of wall panels. The adhesion of Acryl 10 is particularly good on porous substrate such as concrete, cement lime mortar, brick and wood. 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.

### FEATURES

Acryl 10 is a single-component 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 10 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 12,5%. On outside surfaces Acryl 10 is recommended for joints on vertical or horizontal

surfaces, in all cases where water cannot collect. Acryl 10 is classified as a non-structural sealant for internal and external facade components (type F-EXT/INT), in accordance with EN 15651-1. The product awarded the EC 1 Plus label by the GEV association for very low emissions of volatile organic compounds.

## 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 10 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 10 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 in the mechanical or pneumatic application 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.

## Cleaning of tools

Tools fouled with Acryl 10 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).

## TECHNICAL SPECIFICATIONS

PARAMETER AND TEST METHOD	VALUE
Density (ISO 1183-1)	1,67 g/ml
Application temperature	from +5 °C to +40 °C
Skin-over time: (MIT 45*)	approx. 70 minutes
Through cure	after approx. 10 gg. (joint 10×10 mm at 20 °C – 50% U.R.)
Resistant to heavy rainfall	after approx. 4 hours
Service temperature	from -25 °C to +85 °C
Hardness Shore A (DIN 53505)	approx. 40
Elongation at break (DIN 53504 – Punch S3)	670%
Tensile strength at break (DIN 53504 – Punch S3)	0,42 N/mm <sup>2</sup>
Modulus of elasticity at 100% (DIN 53504 – Punch S3)	0,40 N/mm <sup>2</sup>
Stretching to breaking point (EN ISO 8339/A – Mortar support – M1)	350%
Tensile strength at break (EN ISO 8339/A – Mortar support – M1)	0,10 N/mm <sup>2</sup>
Modulus of elasticity at 100% (EN ISO 8339/A – Mortar support – M1)	0,10 N/mm <sup>2</sup>
Maximum operating elongation	12,5%
Shrinkage	approx. 15%
Resistance to sag	good
Resistance to diluted acid	good

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
6x6	36 ml	8,7
8x8 l	64 m	4,9
10x10	100 ml	3,1
15x10	150 ml	2,1
20x10	200 ml	1,5


Color	Grey, White
Packaging	cartridge
Packaging size	24x310 ml
Pallet	64 cardboards

## STORAGE

Acryl 10 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° 0078/14 EN 15651-1:2012 NB n° 1213		
EN 15651-1:2012: Sealants for façade for exterior/interior applications (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%

#### LEGEND FOR CLASSIFICATION ACCORDING TO EN 15651

F	Sealant for non-structural joints for the building trade, on facades. (F = facade elements)
INT	Sealant for internal use only.
EXT-INT	Sealant for internal and external use.
CC	Sealant tested for cold climates. (CC = cold climate - testing done at -30 °C)
G	Sealant for non-structural joints on glazing and door and window frames. (G = glazing)
S	Sealant for non-structural joints in bathroom installations. (S = sanitary joints)
XS	Sealant for joints in bathroom installations with improved performance.
PW	Sealant for non-structural joints on pedestrian walkways. (PW = pedestrian walkways)

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](http://www.torggler.com). Version 26.07.2021.