

Torggler

Sealants and Adhesives

ACETIC PROFESSIONAL

Acetic curing silicone sealant, resistant to moulds for door and window frames and sanitary use.



- Resistant to UV-rays
- High resistance to aging
- 4 colours



APPLICATION AREAS

The rapid hardening and the excellent adhesion make it suitable for sealing and static gluing of glass elements in the various glass applications: windows, glazing, glass bricks, profiled glass, artistic objects, solar panels and joints in bathrooms (tubs, shower booths, wash basins), SPA environments and pools. It is also suitable for elastic sealing of the connections between door and window fittings and facades for protection of seal gaskets in automobiles. It is indicated for sealing hatches and covering equipment on boats, caravans and camper vans. It is also used on domestic appliances. It is not compatible with porous or alkaline surfaces such as marble, concrete, fibre cement or cement lime mortar, as the acetic acid released during vulcanisation might attack them. The contact with metals such as copper, zinc, lead or brass leads to their corrosion.

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 larger than 20 mm the depth must be at least half of the width.

FEATURES

Acetic Professional is a silicone sealant with acetic-crosslinking, it hardens very rapidly and is exceptionally resistant to UV rays and atmospheric agents: it is ideal for use with door and window frames. The presence of an antimicrobial agent and an algae inhibitor in the formulation makes it suitable for sanitary environments too: the product is resistant to boiling water and washing with chemically-aggressive detergents, thus contributing to surface hygiene. Acetic Professional has a resistance to aging that is greater than any other sealant based on non-silicone resins. It has excellent adhesion even without Primer Silicon on glass, stoneware or glazed surfaces and has good adhesion to the majority of non-porous substrates. Acetic Professional is compliant with UNI 11673-1, "Fitting doors and windows Part 1: project verification requirements and criteria". Acetic Professional is classified as a non-structural sealant for facades (type F-EXT/INT-CC in compliance with EN 15651-1), for glazing (G-CC in compliance with EN 15651-2) and for sanitary uses (type XS) in compliance with EN 15651-3).

INSTRUCTIONS FOR USE

1. The sides of the joint must be clean, degreased and dry. With porous substrates it is recommended to first treat with Silicon Primer. With deep dilation joints pad with rigid shaped foam elements before sealing.
2. Apply adhesive tape along the sides of the joint.
3. Insert the cartridge in the application gun, open it, screw on the spout and cut off the tip to obtain a sufficient aperture.
4. Extrude an abundant quantity of sealant.
5. Smooth off with a damp paint scraper within 5 minutes of application, exerting enough pressure to remove any air bubbles.
6. Remove the adhesive tape.

Cleaning of tools

While the sealant is in the plastic state use solvents; following setting clean only mechanically.

TECHNICAL SPECIFICATIONS

PARAMETER AND TEST METHOD	VALUE
Density (ISO 1183-1)	1,04 g/ml
Application temperature	From +5 °C to +40 °C
Skin-over time (MIT 33*)	15 minutes
Hardening rate from the outside to the inside at 23 °C (MT 32*)	2,4 mm in 24h
Operating temperature	from -30 °C to +150 °C
Surface hardness (ISO 868)	Shore A: max = 30 / 15" = 20
Volume variation (EN ISO 10563)	6%
Creep resistance (EN ISO 7390)	0,0 mm
Elongation at break (DIN 53504 – Punch S3)	1000%
Tensile strength at break (DIN 53504 – Punch S3)	1,6 N/mm ²
Modulus of elasticity at 100% (DIN 53504 – Punch S3)	0,4 N/mm ²
Stretching to breaking point (EN ISO 8339/A – G/Al)	170%
Tensile strength at break (EN ISO 8339/A – G/Al)	0,8 N/mm ²
Modulus of elasticity at 100% (EN ISO 8339/A – G/Al)	0,6 N/mm ²
Elastic recovery (EN ISO 7389/B – G/Al)	> 95%
Maximum operating elongation (ISO 11600)	25%
Resistance to acid	excellent

Resistance to bases	excellent
Odour after skin-over	none

* 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	64 ml	4,9
10x10	100 ml	3,1
15x10	150 ml	2,1
20x10	200 ml	1,5

Packaging	cartridge
Packaging size	24x310 ml
Pallet	64 cardboards
Color	Transparent, White 9010

STORAGE

Acetic Professional must be stored in a cool, dry place. Stored in these conditions the product will keep for at least 12 months. Partly used cartridges can be stored for approx. 3 months provided they are tightly closed.

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° 0148/20 EN 15651-1:2012 EN 15651-2:2012 EN 15651-3:2012 NB n° 1213		
EN 15651-1:2012: Sealants for façade for joints in exterior/interior applications also used in cold climate areas (F-EXT/INT-CC 25 LM) EN 15651-2:2012: Sealants for joints for glazing applications also used in cold climate areas (G-CC 25 LM) EN 15651-3:2012: Sealants for non-structural joints used in sanitary areas (S Class XS1)		
Reaction to fire	E	EN 15651-1:2012 EN 15651-2:2012
Release of chemical dangerous to the environment and health	NPD	

Durability		Pass	EN 15651-3:2012
Water tightness and air tightness	Resistance to flow	≤ 2 mm	
	Loss volume	≤ 10%	
	Tensile properties at maintained extension after water immersion at 23°C	NF	EN 15651-1:2012 EN 15651-3:2012
	Tensile properties at maintained extension at -30°C	NF	EN 15651-1:2012 EN 15651-2:2012
	Tensile properties (secant modulus) at -30°C	≤ 0,9 MPa	
	Adhesion/cohesion properties after exposure to heat, water and artificial light	NF	EN 15651-2:2012
	Elastic recovery	≥70%	
Microbiological growth		1	EN 15651-3:2012

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. Version 10.08.2021.