



Sealants and Adhesives

HEAT RESISTANT

Acetic silicone sealant for temperatures up to 300 °C.



- High resistance to heat
- Resistance to aging
- Resistant to UV rays
- Excellent for industrial plants

APPLICATION AREAS

The high modulus of elasticity and excellent adhesion to the various types of material make it especially indicated for heads, caps, flanges and piping in internal-combustion engines. It is also perfect for use in boilers, pipe fittings and pipes of heating systems, heat exchangers, etc.

FEATURES

Heat Resistant is a silicone sealant with acetic-crosslinking, characterised by very high resistance to heat. Up to temperatures of 300°C the elasticity of Heat Resistant is not affected, the seal remains perfect and has exceptional resistance to aging. Applications more than 20 years old, even when subjected to ultraviolet rays and atmospheric agents, show no signs of flaking and are absolutely free of surface hairline cracks.

WARNINGS

The non-vulcanised mass irritates the eyes.

INSTRUCTIONS FOR USE

- The sides of the joint must be clean, degreased and dry.
- Form two strips of sealant on the flange facade.
- Join the two faces and bolt.
- Extrude the sealant on the seams.
- Seal the bolts.
- Smooth off with a damp paint scraper.

Cleaning tools

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

TECHNICAL SPECIFICATIONS

PARAMETER AND TEST METHOD	VALUE
Density (UNI 8490/2)	1,307 g/ml
Application temperature	from +5 °C to +40 °C
Skin-over time (MIT 33*)	approx. 20 minuti
Hardening rate from the outside to the inside at 23 °C (MIT 32*)	approx. 2,0 mm in 24 h
Operating temperatur	from -50 °C to +300 °C
Surface hardness – Shore A (DIN 53505)	approx. 45
Elongation at break (DIN 53504 -Punch S3)	1000%
Tensile strength at break (DIN53504 – Punch S3)	2,5 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 – Alu support – A _{up})	50%
Tensile strength at break(EN ISO 8339/A – Alu support – A _{up})	0,4 N/mm ²
Maximum operating elongation	20%
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
6×6	36 ml	8,7
8×8	64 ml	4,9
10×10	100 ml	3,1
Packaging	cartridge	
Packaging size	24x310 ml	
Pallet	64 cardboards	
Color	Red 3013	

STORAGE

Heat Resistant must be stored in a cool, dry place. Stored in these conditions the product will keep for at least 18 months. Partly used cartridges can be stored for approx. 3 months provided they are tightly closed.

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 21.07.2021.