

Torggler

Silicone Sealant

HEAT RESISTANT

SPECIAL

Acetic silicone sealant for temperatures up to 300 °C.

- High resistance to heat
- Resistance to aging
- UV ray resistance
- Colour: red

FEATURES

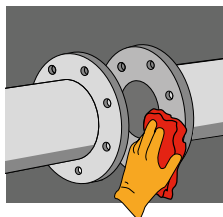
Heat Resistant is a silicone sealant with acetic-crosslinking, characterised by very high resistance to heat. Up to temperatures of 300°C the elasticity of Heat Resistant is not affected, the seal remains perfect and has exceptional resistance to aging. Applications more than 20 years old, even when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

APPLICATION RANGE

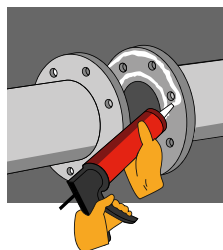
The high modulus of elasticity and excellent adhesion to the various types of material make it especially indicated for heads, caps, flanges and piping in internal-combustion engines. It is also perfect for use in boilers, pipe fittings and pipes of heating systems, heat exchangers, etc.



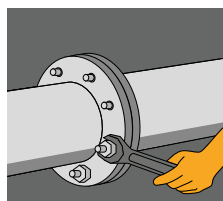
INSTRUCTIONS FOR USE



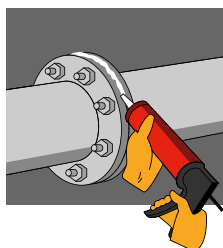
- 1.**
The sides of the joint must be clean, degreased and dry.



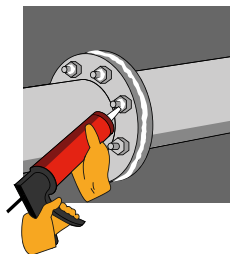
- 2.**
Form two strips of sealant on the flange facade.



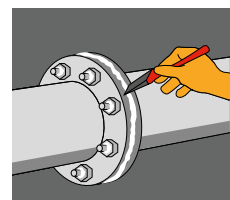
- 3.**
Join the two faces and bolt.



- 4.**
Extrude the sealant on the seams.



- 5.**
Seal the bolts.



- 6.**
Smooth off with a damp paint scraper.

CLEANING TOOLS

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

OBSERVATIONS

The non-vulcanised mass irritates the eyes.

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 temperature:	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 - Aup)	50%
Tensile strength at break(EN ISO 8339/A - Alu support - Aup)	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.

JOINT WIDTH X DEPTH (MM)	COVERAGE GUIDE TABLE	
	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

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.

PACKAGING

310 ml cartridges

COLOUR RANGE

 Red

To the best of our knowledge the information given in this document is true and accurate. However, since we have no direct control over the actual conditions of use, our recommendations and suggestions are provided as a guide only and do not constitute a guarantee. If you have any doubts we recommend that you test the product before use or contact our specialists for further advice. Torggler Chimica S.p.A. reserves the right to change, substitute or delete items or otherwise make variations to the product data in this document without prior notice. It is possible therefore that the information given in this document is no longer valid. This document substitutes the previous version. Version 09.2018