

Torggler

Sealants and Adhesives

FLOOR

Neutral curing silicone sealant for floor applications.



- High resistance to UV rays
- High resistance to traffic
- Colours: grey



APPLICATION AREAS

With its special features, Floor is much recommended for expansion joints in industrial and public flooring, parking areas, garages etc.

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

Silicone Floor is a neutral curing silicone sealant with exceptional resistance to UV-rays and atmospheric agents, its excellent adhesion to the most varied of substrates, its permanent elasticity, perfect seal and a resistance to aging that is greater than any non-silicone resinbased sealant. As well as the above, its true speciality is the Shore surface hardness of the polymerised sealant, which guarantees good resistance to traffic, not only pedestrian footfall but also trolleys and machines. It is also resistant to fuels, oils, grease, detergent solution,

hot water, acid and basic agents, of both organic and inorganic nature. Numerous experiences of application have proven that even after very many years of application, Floor presents no traces of hairline cracks and flaking. Floor is classified as a PW-EXT/INT-CC according to EN 15651-4, i.e. a non-structural sealant for pedestrian walkways for both internal and external uses, including in cold climates.

INSTRUCTIONS FOR USE

1. The sides of the joint must be clean, degreased and dry.
2. Apply adhesive tape along the sides of the joint.
3. First treat with Silicon Primer.
4. Insert the Torggler pre-form.
5. Insert the cartridge in the application gun, open it, screw on the spout and cut off the tip to obtain a sufficient aperture.
6. Smooth off with a damp paint scraper within 5 minutes of application, exerting enough pressure to remove any air bubbles.
7. Remove the adhesive tape.
8. Extrude an abundant quantity of sealant.

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)	1,39 g/ml
Application temperature	from +5 °C to +40 °C
Skin-over time (MIT 33*)	approx. 40 minuti
Hardening rate from the outside to the inside at 23 °C (MIT 32*)	approx. 3,0 mm in 24 h
Operating temperature	from -50 °C to +150 °C
Surface hardness Shore A (DIN 53505)	approx. 40
Elongation at break (DIN 53504 – Punch S3)	700%
Tensile strength at break (DIN 53504 – Punch S3)	1,0 N/mm ²
Modulus of elasticity at 100% (DIN 53504 -Punch S3)	0,6 N/mm ²
Elongation at break (EN ISO 8339/A- Mortar support – M1p a 23 °C)	200%
Tensile strength at break (EN ISO 8339/A – Mortar support – M1p a 23 °C)	0,7 N/mm ²
Modulus of elasticity at 100% (EN ISO 8339/A – Mortar support – M1p a 23 °C)	0,62 N/mm ²
Elongation at break (EN ISO 8339/A- Mortar support – M1p a -30 °C)	200 %
Tensile strength at break (EN ISO 8339/A – Mortar support– M1p a -30 °C)	0,9 N/mm ²
Modulus of elasticity at 60 % (EN ISO 8339/A- Mortar support – M1p a -30 °C)	0,7 N/mm ²
Maximum operating elongation	20%
Acid resistance	excellent
Base resistance	excellent
Odour after curing	none
Adhesion on porous and non-porous surfaces	excellent

* 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
Color	Grey 7040	
Packaging	cartridge	
Packaging size	24x310 ml	
Pallet	64 cardboards	

STORAGE

Floor 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 Marleno (BZ) DoP n° 0080/15 EN 15651-4:2012 NB n° 0432		
EN 15651-4:2012: Sealants for non-structural movement joints for exterior/interior application also used in cold climate areas (PW-EXT/INT-CC-20 HM)		
Reaction to fire	F	EN 15651-4:2012
Release of chemical dangerous to the environment and health	NPD	
Durabilità	Pass	
Water tightness and air tightness	Loss of volume	
	Adhesion/cohesion properties at maintained extension after 28 days water immersion	NF – Secant modulus change ≤ 50%

Adhesion/cohesion properties at maintained extension after 28 days salt water immersion	NF
Tensile properties (secant modulus) at -30°C	≤ 0,9 MPa
Tensile properties at maintained extension after water immersion at -30°C	NF
Tear resistance	Pass

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 20.07.2021.