

# SIGIL TOP M

MEDIUM-MODULUS POLYURETHANE SEALANT



## DESCRIPTION

SIGIL TOP M is a one-component, medium-modulus polyurethane adhesive/sealant. It is formulated for sealing horizontal and vertical expansion joints. The sealant cures by reacting with ambient humidity and, thanks to its properties, provides long-term durability. SIGIL TOP M is permanently elastic, has good tear resistance and is practically free from shrinkage.

## FIELDS OF APPLICATION

- Sealing of expansion and contraction joints (indoors and outdoors);
- Sealing of vertical joints (indoors and outdoors);
- Sealing of existing concrete pavements;
- Sealing of concrete floors in car parks, supermarkets, etc.

## PRODUCT DATAS

Base	One-component
Chemical nature	Polyurethane resins
Appearance	Thixotropic paste
Specific gravity	1.40 kg/l
Solid content	100.0%

## CONSUMPTION

Consumption of SIGIL TOP M depends on the joint dimensions. The following table provides indicative values:

Joint dimensions (mm)	Linear metres sealed with 1 sausage (600 ml)
5 x 5	24.0 m
10 x 10	6.0 m
15 x 10	4.0 m
20 x 10	3.0 m
30 x 15	1.5 m

## COLOURS

SIGIL TOP M is available in Grey.

## PACKAGING

- 600 ml sausages (boxes of 20 pcs).



Date 15/10/2025

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SEALANT



PRODUCT SHEET

## TECHNICAL DATA (CURED PRODUCT)

Parameter	Result	Standard
Dust-free time	approx. 40 min	-
Curing through thickness	≥ 3 mm / 24 h	-
Hardness	35 – 40 (Shore A)	-
Tensile strength	3.8 N/mm <sup>2</sup>	DIN 53504
Elongation at break	≥ 300%	DIN 53504
Modulus at 100%	0.8 N/mm <sup>2</sup>	DIN 52455
Elastic recovery	> 85%	DIN 52458
Dynamic movement capability	± 15%	-
Service temperature	-40°C to +90°C	-
UV resistance	Excellent	-

## APPLICATION

### SUBSTRATE PREPARATION

All surfaces to be sealed must be dry, sound, free from dust and loose parts, and free from oils, greases, waxes and old paints. To allow the sealant to perform correctly, the joint must be able to extend and compress freely; therefore, it is essential that SIGIL TOP M adheres perfectly only to the joint sides and not to the bottom. The joint must be dimensioned so that the working elongation of the sealant is less than or equal to 25% of its initial width. The sealant depth must be defined according to the following table:

Joint width	Sealant depth
< 10 mm	Equal to the width
11 – 20 mm	10 mm
> 20 mm	Half of the width

To avoid smudging and to obtain an excellent aesthetic finish, it is advisable to mask the joint edges with adhesive tape.



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PRODUCT SHEET

## PRIMING

SIGIL TOP M has good adhesion without primer on the most common absorbent or compact building materials, provided they are perfectly clean, dust-free and free from release agents. The use of PRIMER EPO S (for absorbent or metallic substrates) or PRIMER PU S (for absorbent substrates) is recommended when surfaces are not perfectly sound and clean, when joints are subjected to high mechanical stresses or frequent and prolonged contact with liquids, and on damp cementitious substrates. On non-absorbent substrates such as iron, steel, aluminium, copper, galvanised sheet, ceramic, klinker, glass and painted metal sheets, adhesion of SIGIL TOP M is good after simple degreasing with suitable products. The application of primer further improves long-term adhesion.

## PRODUCT APPLICATION

Use the appropriate extrusion guns for 600 ml sausages. Extrude the sealant continuously into the joint, avoiding air entrapment. Immediately after extrusion, smooth the surface of the product using a suitably shaped tool kept constantly wet with water and soap.

## CLEANING EQUIPMENT

Clean all tools and equipment immediately after use with alcohol. Once hardened, the product can only be removed mechanically.

## STORAGE

Store the product in its original, unopened and undamaged packaging in a dry place, away from sources of heat, at temperatures between +5°C and +25°C, for a maximum of 12 months. Also refer to the recommendations given in the Safety Data Sheet and on the product label.

## WARNINGS

Do not apply if dew is present on the substrate.  
Do not apply on damp substrates with residual moisture > 5% or subject to rising damp. The product may exhibit slight surface chalking.  
Do not apply if rain is expected or in the presence of fog or mist.  
If water is used for cleaning the substrate, allow it to dry completely before application.  
Do not use on porous or friable substrates.  
Do not apply at temperatures below +5°C.

## HEALTH AND SAFETY

Refer to the latest Safety Data Sheet for instructions on handling, storage and disposal. Do not release product or empty containers into the environment.

**For PROFESSIONAL USE ONLY.**

## LEGAL NOTICE

The information and recommendations given above, although they correspond to our best experience, must in any case be considered purely indicative and must be confirmed by exhaustive practical applications. Therefore, before using the product, anyone who intends to make use of it must determine whether it is or is not suitable for the intended application and, in any case, assumes all responsibility that may arise from its use. Always refer to the latest updated version of the technical data sheet, available on the website [btechitalia.eu](http://btechitalia.eu).



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