

One-component, polyurethane-based, high elasticity modulus (HM) fast hardening sealant and adhesive. It has been developed for sealing and bonding applications with high quality.



## GENERAL FEATURES

- One-component, Easy to apply, Fast drying
- Weatherproof and UV resistant
- Can be painted, does not bleed
- Has permanent elastic ability
- High chemical resistance
- Not affected by weather conditions after curing
- Thanks to its high adhesion feature, it provides excellent adhesion to many building materials

## APPLICATION AREAS

- Indoors and outdoors,
- In all sealing and bonding applications in the construction sector,
- In the general installation and sealing of structural elements such as concrete, metal, wood, PVC, betopan,
- Roof and façade sandwich panel mounting and sealing,
- In manufacturing applications such as automotive bodywork, container, van,
- Roof and terrace, ventilation ducts and rain gutters

## Technical Specifications

Base	Polyurethane
Consistency	Paste
Density (DIN 53479)	1,25 ±0,05 g/cm <sup>3</sup>
Elasticity Module 100%	0,40 N/mm <sup>2</sup>
Elastic Return	≥ %75
Yield – On Vertical Surface (ISO7390)	<3mm
Shell binding time	20 - 30 min. (23 °C / 50 % r.h.)
Drying Speed	3-4 mm /24 hours (23 °C / 50 % r.h.)
Elongation at rupture (ISO 8339)	> %450
Max stress (DIN 53504)	1,2 N/mm <sup>2</sup>
Shore A Hardness (DIN 53505)	35 ± 5
Application temperature	+5 °C to +40 °C
Service Temperature	-20°C to +80 °C

## COLOR OPTIONS

- White
- Black
- Anthracite
- Red
- Brown
- Special Colors

## PACKAGING OPTIONS

280 ml cartridge / Package: 25 pcs cartridges

## SHELF LIFE AND STORAGE

15 months if stored in a cool and dry environment, in an upright position between +10 and +30C



## SURFACE PREPARATION

It should be a clean, dry, oil- and grease-free, homogeneous surface without dust and loose particles. Adheres to the surface even without primer and/or activator. But; In order to increase adhesion in joints that will be exposed to high stress, in situations requiring high weather resistance, in multi-stored building applications or in applications such as immersion in water, the following priming and / or surface preparation can be applied:

Non-absorbent surfaces; Depending on the type of surface (especially on different types of metal surfaces, Aluminum, anodized aluminum, stainless steel, powder coated steels or glazed ceramics), a correct and healthy combination must be ensured by using the appropriate type of adherence enhancing primer. After the necessary drying times are respected, mastic application can be started.

Absorbent surfaces; Concrete, aerated concrete, cemented coatings, mortars, brick and natural stone, etc. on surfaces; absorbency-stabilizing primers should be applied with the help of a brush or roller. Before applying mastic, wait at least 30 minutes and at most 8 hours. Note: Primers are adhesion enhancing products. They never replace proper surface cleaning and do not increase the strength of the surface.



## APPLICATION

Drexler ULTRA POLYURETHANE SEALANT 280 products are ready for use. After the appropriate joint and surface preparation, place the necessary joint filler wick and apply the primer if necessary. Place the cartridge/sausage in the appropriate gun and gently squeeze the product, making sure that it fully touches the joint walls. Fill the joint without leaving an air gap in it. Make sure that the product adheres to the joint walls to ensure tightness. Masking tape should be used when sharp edge lines or very clean joint edges are desired. The masking tape should be removed while the mastic is still soft. Hardened and finished material can be cleaned only by mechanical means.



## JOINT DESIGN

The joint width should be designed to match the movement capacity of the mastic. In general, the width of the joint should be  $\geq 10$  mm, and the  $\leq 50$  mm. 2:1 should be taken into account as a width/depth ratio. (See table for exceptions).

Standard joint widths for concrete elements

Joint length [m]	Min. joint width [mm]	Min. joint width [mm]
2	10	10
4	15	10
6	20	10
8	30	15
10	35	17

The joint applications to be used in the construction must be sized and designed in accordance with the relevant standards; otherwise there can be no mention of functionality and an economical design.

**CONSUMPTION: 280 ml cartridge**

Joint length [m]	Joint width [mm]	Joint depth [mm]
3	10	10
2	15	10
1.5	20	10
1	25	12
0.6	30	15

STANDARDS

- EN 15651-1 F EXT-INT CC 25 HM
- ISO 11600 F 25 HM
- ASTM C 920 sinif 35



## ALERTS

- It can be painted with paint. Preliminary tests should be carried out for the suitability of the paint and the best result should be obtained, which will allow the joint filling to be completely cured. Note: Inflexible paint systems may interfere with the elasticity of the joint filler and cause cracks on the film layer of the paint.
- There may be color changes as a result of exposure to chemicals, high temperatures and UV rays (especially white mastics).
- However, this change in color will not adversely affect the technical performance and durability of the product.
- Do not use on natural stone.
- Do not use on bituminous surfaces, natural rubber, EPDM based rubbers and building materials that may damage the mastic by vomiting oil, softener, plasticizer or solvent.
- Do not use in and around the swimming pool.
- Do not use in environments exposed to water pressure and in applications that will be constantly under water.
- Do not expose the uncured product to alcohol-containing products that may inhibit the curing reaction.

Note: All technical information stated in this product data sheet is based on laboratory tests. The values actually obtained may vary due to circumstances beyond our control. LOCAL LIMITATIONS Please note that due to local regulations, the performance of this product may differ from country to country in the product technical information sheet.