

# PRODUCT DATA SHEET

## Sikacryl® HM

### ACRYLIC SEALANT FOR INTERIOR USE

#### DESCRIPTION

Sikacryl® HM is a 1-part, acrylic, water-based joint sealant for internal minor movement joints and interior crack filling. It is non-sag and over-paintable. It has good adhesion to various materials even without primer. Sikacryl® HM remains elastic over a wide range of temperatures. Movement capability  $\pm 7,5\%$ . Interior use.

#### USES

##### Sealing joints for:

- Interior joints on various types of substrate with a limited amount of movement
- Connections around window and door frames
- Around wall and ceiling penetrations

##### Crack filling:

- Internal cracks not exposed to permanent water immersion

#### CHARACTERISTICS / ADVANTAGES

- 1-part ready to use
- Good application properties
- Non-sag
- Good adhesion to various substrates
- Movement capability  $\pm 7,5\%$
- Ideal as a "caulk" for painters
- Easy to sand
- Trowelable
- Over-paintable

#### APPROVALS / CERTIFICATES

- CE Marking and Declaration of Performance to EN 15651-1 - Sealants for non-structural use in joints in buildings - Facade elements

#### PRODUCT INFORMATION

<b>Composition</b>	1-part acrylic	
<b>Packaging</b>	300 ml cartridge	12 cartridges per box
	Please contact our customer service, for information of what packaging sizes are sold in Denmark.	
<b>Colour</b>	White, grey. Please contact our customer service, for information of which colors are sold in Denmark.	
<b>Shelf life</b>	24 months from the date of production	
<b>Storage conditions</b>	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +10 °C and +25 °C. Always refer to packaging.	
<b>Density</b>	~1,65 kg/l	(ISO 1183-1)
<b>Product Declaration</b>	EN 15651-1: F EXT-INT 7,5P	

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## TECHNICAL INFORMATION

Shore A Hardness	~25 (28 days, +23 °C / 50 % r.h.)	(ISO 868)
Movement Capability	±7,5%	(ISO 9046)
Service Temperature	Between -25 °C to +70 °C (dry).	
Compatibility	Concrete, aerated concrete, plaster, fibre cement, brick, plasterboard, aluminium, UPVC, wood	

## APPLICATION INFORMATION

### Mixing Ratio

Consumption	Joint length [m] per 300 ml	Joint width [mm]	Joint depth [mm]
	3,0	10	10
	2,0	15	10

Triangular joint profiles must have sides for bonding  $\geq 7$  mm.  
For larger joints, contact Sika Technical Services for additional information.

### Consumption calculation formula

Length of joint [m] =  $300 \text{ ml} / (\text{Joint width [mm]} \times \text{Joint depth [mm]})$   
Litres / Metre run of joint =  $(\text{Joint width [mm]} \times \text{joint depth [mm]}) / 1000$   
[m  $\times$  mm<sup>2</sup> / l]

Consumption depends on the roughness and absorbency of the substrate. These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc.

Sag Flow	< 1 mm (+23 °C)	(ISO 7390)
Ambient Air Temperature	+5 °C min. / +35 °C max.	
Substrate Temperature	+5 °C min. / +30 °C max. Minimum +3 °C above dew point temperature	
Curing Rate	~2 mm / 24 hours (+23 °C / 50 % r.h.) *Sika Corporate Quality Procedure	(CQP* 049-2)
Skimming time	~15 minutes (+23 °C / 50 % r.h.)	(CQP 019-1)

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

The substrate must be clean, dry, sound and free from oils, grease, dust and loose or friable particles. Sikacryl® HM adheres without primers and/or activators. For porous substrates, e.g. concrete, plaster and / or wood, Sikacryl® HM can be dissolved in water (1:1 to 1:5 ratio) and used as a primer if necessary. On plastics and paints, adhesion tests must be carried out prior to application. Iron and steel must be protected with an anti-corrosion primer.

### MIXING

1-part ready to use

### APPLICATION METHOD / TOOLS

Reference must be made to further documentation where applicable, such as relevant method statement, application manual and installation or working instruc-

tions.

### Masking

It is recommended to use masking tape where neat or exact joint lines are required. Remove the tape within the skinning time after finishing.

### Application

Sikacryl® HM is supplied ready to use. Prepare the end of the cartridge, insert into the sealant gun and fit the nozzle. Extrude Sikacryl® HM into the joint or around the connection ensuring that it comes into full contact with the sides of the joint or connecting surfaces and avoiding any air entrapment.

### Finishing

As soon as possible after application, sealant must be firmly tooled against the joint sides to ensure adequate adhesion and a smooth finish. Use water to smooth the joint surface. Do not use tooling products containing solvents.

### CLEANING OF EQUIPMENT

Clean all tools and application equipment with water

immediately after use. Hardened material can only be removed mechanically.

## FURTHER INFORMATION

- Pre-treatment Sealing and Bonding Chart

## IMPORTANT CONSIDERATIONS

- Colour variations may occur due to the exposure in service to chemicals, high temperatures and/or UV-radiation (especially with white colour shade). This effect is aesthetic and does not adversely influence the technical performance or durability of the product.
- Sikacryl® HM can be over-painted with most conventional facade paint coating systems. However, paints must first be tested to ensure compatibility by carrying out preliminary trials (e.g. according to ISO technical paper: Paintability and Paint Compatibility of Sealants). Optimum results are obtained when the sealant is allowed to fully cure first. Note: Non-flexible paint systems may impair the elasticity of the sealant and lead to cracking of the paint coating.
- Do not use on bituminous substrates, natural rubber, EPDM rubber or on any building materials which might leach oils, plasticisers or solvents that could degrade the sealant.
- Do not use as a glass sealant, for floor or sanitary joints, on marble, natural stone or on civil engineering structures.
- Do not use for joints under water pressure or permanent water immersion.
- Application during high temperature changes is not recommended (movement during curing).

## BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

## ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

## LEGAL NOTES

Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or end-users of the product, have been given in good faith based on our own experiences and based on approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure, that our products are suitable for the use in question and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is affected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the present product data sheet should be seen as recommended, unless stated otherwise.

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