

# PRODUCT DATA SHEET

## ISO-TOP ACRYLSEAL F



illustration purposes only

### PRODUCT DESCRIPTION

ISO-TOP ACRYLSEAL F is a high quality, plasto-elastic, single-component sealant based on an acrylic dispersion and conforming to DIN EN ISO 11600, for air tight sealing of internal joints.

ISO-TOP ACRYLSEAL F is almost odourless, colour-fast, resistant to weathering and UV light, as well as watertight after curing. It also bonds very well to many porous mineral materials, rigid PVC and aluminium.

### APPLICATION

- air tight sealing of indoor connection joints during renovation and new building work as per DIN 4108-7
- usual moving joints in buildings corresponding to DIN 18540 and IVD-Merkblatt Nr. 9 (IVD instruction leaflet No.9)
- sealing between window and door frames and masonry
- joints with low load, and cracks between masonry, concrete, plaster and window sills as well as roller shutter housings, skirting boards and flooring
- connection joints (horizontal) in buildings made of aerated concrete

### AREA OF APPLICATION

- Minimum width: 5 mm  
Maximum width: 20 mm  
Minimum depth: 5 mm  
Recommended: < 10 mm; joint depth = joint width  
> 10 mm; joint width = 1/2 joint depth

### PRODUCT ADVANTAGES

- tested to GEV-EMICODE®, certified as very low-emission (EC1<sup>PLUS</sup>)
- can be processed from +5 °C
- permanently flexible after curing
- for versatile use on many standard construction surfaces
- low water vapour permeability
- complies with DIN EN ISO 11600
- can be painted over following complete curing, as per DIN 52452
- easy to plaster or paper over
- complies with the requirements of the Building Energy Act and the recommendations of the RAL "installation guide"

### PACKAGING

- 15 cartridges (of 310 ml) per box
- 12 tubular bags (of 600 ml) per box

### ACCESSORIES

ISO-TOP EASYPRESS / EASYPRESS PRO and ISO-TOP PRESSFIX for efficient processing. ISO-ZELL PE-CORD used as backfill according to DIN 18540 and IVD-Merkblatt Nr. 9 (IVD instruction leaflet No.9).



# ISO-TOP ACRYLSEAL F

Technical data	Standard	Classification
Colour		white
Base		1-component-acrylic dispersion
Consistency		firm paste
Density in g/ml	DIN 53479	1.50
Processing temperature		+5°C to +40°C (ambient temperature) +5°C to +30°C (temperature of adhesive surfaces) Do not use where there is a risk of rain or frost.
Temperature stability range		-20°C to +80°C
Skin forming*		Touch dry after approx. 20 minutes
Curing system		physical drying through evaporation of water at room temperature
Maximum permissible total deformation	DIN EN ISO 11600	15%
Change in volume	DIN EN ISO 10563	ca. 15Vol. %
Building material class	DIN 4102 Part 1	B2 (normal flammability)
Application method		manual, battery powered or pneumatic gun
Cleaning		with water before curing, afterwards only possible with mechanical means
Smoothing		with water before surface is dry
Shelf life		12 months from production date in unopened cartridge and packaging
Storage temperature		+5°C to +25°C in dry environment. Protect from frost. Can be stored for a maximum of 2 days at -10°C.

\* The specifications refer to the completely cured product. Measured according to standard climate DIN EN ISO 291 at 23°C / 50% RH. These values may vary depending on environmental factors such as temperature, moisture and type of substrates.

## PROCESSING

Can be used on all standard construction surfaces such as concrete, clay bricks, aerated concrete, plasterboard, plaster, masonry, fibre cement, rigid PVC and anodised aluminium. The adhesive surfaces must have a sufficient load-bearing capacity and be clean, dust- and grease-free. Do not use on glass, potentially corrosive metals, enamels, ceramics and for underwater joints. Contact with bitumen, tar or materials which exude emollients such as EPDM, APTK, chloroprene rubber (neoprene), butyl, insulating coats and foams must be avoided since this could result in incompatibilities such as discolouring or loss of adhesion. ISO-TOP ACRYLSEAL F is not suitable for the grouting of marble window sills and other natural stones. We always recommend carrying out an adhesion and compatibility test on any surface before starting work. Pre-treatment: Prime highly porous substrates with ISO-TOP BLUE PRIMER or a mixture of 1/3 ISO-TOP ACRYLSEAL F and 2/3 water, and then leave to cure for at least 60 minutes. Clean / degrease non-absorbent substrates with ISO-TOP CLEANEX or acetone. ISO-ZELL PE-CORD is used as backfill to create a correct sealant joint and to avoid 3-point adhesion.

## HEALTH AND SAFETY

Please refer to our EC safety data sheets for hazard notices, safety advice, storage conditions, disposal notes and transport marking information.

## REMARKS

Not suitable for permanent water load. Drying is significantly slower at low temperatures or high air humidity. If the ISO-TOP ACRYLSEAL F is painted over completely, this can lead to cracks in non-flexible coatings as per DIN 18540 etc. due to joint movements.



Installation example: ISO-TOP ACRYLSEAL F

The details and information given in this literature are based on best current knowledge. They are intended to serve as general information only and it is advised that the user conducts their own tests for their specific set of conditions to determine the suitability of the product for its proposed use. No warranty or liability is given or implied regarding any part of these instructions or details, or the completeness of the information. We reserve the right to modify, or change, the specifications and information without advance notification. All goods are supplied subject to our standard conditions of sales, copies of which are available upon request.