

# TECHNICAL DATA SHEET

# Water Stopper

by up-way systems



MOLDS STOPPER EC/CE



STOPPER M-1 SEALANT



STOPPER 1-P SEALANT

## TECHNICAL DATA

### MOLDS STOPPER EC/CE



#### DESCRIPTION

Molds Stopper EC/CE is a **stretchable, flexible and conformable L shaped curb**, based on polymer rubber with an interior aluminium reinforcement, **that can be easily shaped without requirements for special tools, to obtain a curb with any geometry desired**. Final curb is closed easily in one step (no tools) with a metal locking clip and is intended to be filled with liquid or semi-liquid materials. Resistant to ice, stagnant water and ozone stable.

Molds Stopper EC/CE is usually used in **combination with Stopper M-1 and Stopper 1-P sealants for sealing roof penetrations of any size or geometry, without requirements for mechanical fixing, torch, or metal flashing**. It can be used on any surface such as PVC, TPO or EPDM, granulated modified bitumen, asphalt membranes, concrete and metal. With a proper installation, the system forms a durable and waterproof rubber seal around penetrations of any size. The final solution is environmentally friendly as sealants do not contain VOC's. contêm CVO's.

#### CHARACTERISTICS

**Composition:** Rubber polymer with an aluminium reinforcement

**Thickness:** 2.1mm (-0.1/+0.3mm)

**Dimensions:** Standard: L shape 50+25mm x 1m

**Colours:** Grey RAL 7037

**Density:** 1710 kg/m<sup>3</sup> = 3.9kg/m<sup>2</sup>

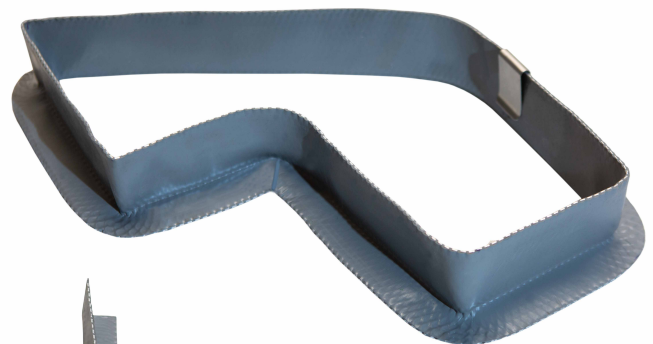
**Temperature resistance:** -40°C to +90°C

**UV na Ozone resistance:** Resistant

**Weather resistance:** Resistant

**Solubility:** Non soluble in water

**Fire reaction:** Polymer: B2 (EN 13501-1)



## TECHNICAL DATA

### STOPPER M-1 SEALANT



#### DESCRIPTION

Stopper M-1 Sealant is a moisture curing, polyether adhesive/sealant designed for application in **damp, dry, or cold climates**. Stopper M-1 Sealant is solvent free and contains no isocyanates. Stopper M-1 Sealant will not shrink upon curing, will not discolour when exposed to UV light, and can not “out-gas”, or bubble, on damp surfaces as urethane sealants often do. Stopper M-1 Sealant has **resilient “elastomeric” properties and excellent adhesion to most construction materials**. Stopper M-1 Sealant is **capable of joint movement in excess of 25% in both compression and extension**. Stopper M-1 Sealant can be used effectively in many difficult construction site conditions and it cures in wet or dry climate conditions and at low temperatures 0°C.

#### Applicable Performance Standards

- ASTM C-920, Type S, Grade NS, Class 25, Uses NT, T, M, G, A, and O.
- Federal Specifications TT-S-00230-C Type II, Class A.
- Corps of Engineers CRD-C-541, Type II, Class A.
- Canadian Standards Board CAN 19, 13-M82.
- AAMA 802.3-08 Type II, AAMA 803.3-08 Type I, and AAMA 805.2-08 Group C.

#### Regulatory Compliance

- Conforms to OTC Rule for Sealant and Caulks.
- Meets requirements of BAAQMD, CARB and SCAQMD.
- This product does not contain cancer causing chemicals listed in California Proposition 65.
- Conforms to USDA requirements for Non-food contact.

#### Green Standards

- LEED 2.2 for New Construction and Major Renovations: Low Emitting Materials (Section 4.1) 1 Point
- NAHB Model Green Home Building Guidelines: 5 Global Impact Points
- VOC Content: less than 17 grams / liter ASTM D2369 EPA Method 24 (tested at 115°C / 240°F).

#### Advantages

- Solvent free, 100% solids, will not shrink.
- Non-slump, applies vertically and overhead.
- 20 minute skin over, resists dirt pick up.
- No outgassing on damp surfaces.
- Very good color stability, will not suntan.
- Paintable within 24 hours (See limitations).
- Gun grade, no special tools or mixing required.
- Can be applied at temperatures as low as 0°C.

## TECHNICAL DATA

### STOPPER 1-P SEALANT



#### DESCRIPTION

Stopper 1-P Sealant is a moisture curing, pourable sealant designed for use in pitch pans and warranted Stopper CE/EC penetration seals. Stopper 1-P Sealant is suitable **for application in damp, dry, or cold climates**. Stopper 1-P Sealant is solvent free, contains no isocyanates and will not shrink upon curing.

Stopper 1-P Sealant can not “out-gas” or bubble on damp surfaces as urethane sealants often do. Stopper 1-P Sealant has **resilient “elastomeric” properties and excellent adhesion to most construction materials**. Stopper 1-P Sealant can be used effectively in many difficult construction site conditions and cures in wet or dry climate conditions and at low temperatures (0°C (32°F)). **Stopper 1-P Sealant’s low durometer accommodates greater movement in penetration seals than typical urethane sealants.**

#### Regulatory Compliance

- Conforms to OTC Rule for Sealants and Caulks.
- Meets requirements of California Regs: CARB, BAAQMD and SCAQMD.
- This product does not contain cancer causing chemicals listed in California Propositions 65.
- Conforms to USDA Requirements for Non-food Contact.

#### Green Standards

- LEED 2.2 for New Construction and Major Renovations: Low Emitting Materials (Section 4.1) 1 Point.
- NAHB Model Green Home Buildings Guidelines: 5 Global Impact Points.
- VOC Content at 240°C: less than 19grams/liter, ASTM D2369, EPA Method 24 (tested at 115°C / 240°F).

#### Advantages

- Solvent free, 100% solids will not shrink.
- 20 minute skin over.
- No outgassing on damp surfaces.
- Good UV stability, will not sultan.
- Paintable within 24 hours (see limitations).
- Self Leveling, no special tools or mixing required.
- Can be applied at temperatures as low as 0°C - (32°F).
- Extended warranties available.

## TECHNICAL DATA

### STOPPER 1-P SEALANT



#### Limitations

- Do not store in elevated temperatures.
- Please contact customer service for application guidelines with temperatures below 0°C (32°F).
- Do not install if rain is anticipated within 4 hours
- Do not use on TPO without TPO primer.
- Do not use on Hypalon membranes.
- Smooth APP membranes require a prior installation of a granulated target of APP modified bitumen around the penetration.
- Do not use in areas subject to continuous immersion.
- In areas where prolonged chemical exposure is anticipated, contact Technical Services for recommendations.

#### Cure Time

Stopper 1-P Sealant is a moisture cure sealant. Rate of cure is dependent on atmospheric conditions. Curing proceeds at a rate of 0.63cm a week at 22°C and 50% RH. Lower temperature and humidity will inhibit the rate of cure. Higher temperature and humidity will accelerate rate of cure. Depths of more than 5cm cure through in 2 to 3 months.

#### Service Temperature

-40°C to +93°C (-40°F to 200°F)

#### Compatible Substrates

APP with gran. target  
Single Ply membrane  
PVC / PIB  
Asphalt  
TPO with TPO primer  
SBS mod bit / BUR

#### Clean-Up

Wet adhesive can be removed using a solvent such as alcohol. Cured sealant can be removed by abrading or scraping the substrate.