

TECHNICAL DATASHEET

Mastic 3040

Description & Uses

A single component, elastomer polyurethane sealant for expansion and joints.

Application areas include:

- Waterproofing indoor and outdoor for masonry, expansion joints, carpentry etc
- Universal joint sealing compound for building construction
- Expansion joints in heavy and light prefabrication and traditional masonry.

Product supplied in 600ml foil packs, 20 foils per box. Colour: Grey

Consumption

	Joint Width (mm)				
Joint Depth (in mm)	4	6	8	12	20
4	19	13	9.7	6.5	3.8
6		8.6	6.5	4.3	2.6
8			4.8	3.2	1.9
10				2.6	1.6

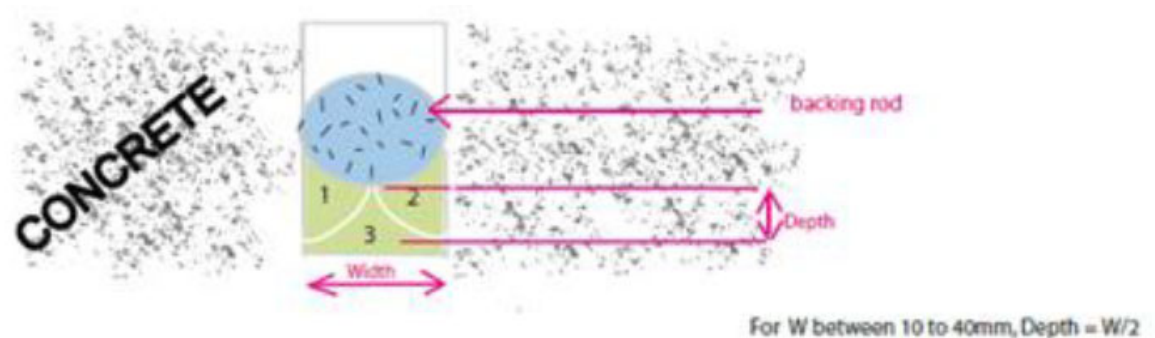
Cure Joint Characteristics

Movement Capability	25%
Elongation at Break	>250%
Modulus	a 100% 0.25-0.30 MPa
Hardness Shore A	MEL 022 25-30
Service Temperature	-20°C ≤ T ≤ +80°C

Surface Preparation

- The surface must be clean, dry and free of dust, grease or residues. On concrete, wait first for it to cure out and stabilize (minimum 4 weeks). A preliminary test is necessary on siliconized tiles. It is up to the users to check the compatibility with the surface in terms of adherence, chemical compatibility and staining (make a pre-test if required).
- Size correctly the joint according to the predictable movements and to the capacity of movement. The width of the joint must be between 6 and 40 mm, also for vertical joints. For

joints of 10 mm and smaller, the depth of the joint must be equal to its width. For the widths of joints superior to 10 mm respect a depth to width ratio of 2:1.



Application

- If necessary, apply in a thin layer a polyurethane-type primer. We recommend to use the primer on mortars and similar materials with smooth surfaces.
- After the primer is cured, press into the gap AlphaChem Backer Rod, that will not adhere to the sealant. The bottom of backing rod should not show notches likely to cause bubbling. Protect the edges of the joint by adhesive tape for a better finish.
- Apply the sealant in one layer for joints of small width, in three layers for joints of large width, the two first onto the edges of the joint and the third onto the bottom. Smooth with water free of additives. Press the sealant correctly against the edges and the bottom of the joint while avoiding the air bubbles inclusion. Remove the masking tape.
- Clean excess material with White Spirit before it dries and cures. Excess dried sealant can be removed by gentle scraping.
- Can be painted later, after full curing. Use water based paint (acrylic or vinyl) but test first. Joint movement can in time crack the paint

Chemical resistant (as an indication): to water, cleaning agents, accidental spills of oils and hydrocarbons, accidental spills of acids and diluted bases.

Storage Conditions

Store in a well-ventilated room at a maximum temperature of 30°C

Shelf Life

12 months from production date, in original unopened packaging, protected from humidity.

Limitations

- Because of the sensitivity of polyurethanes to UV, clear colours may change over time. This modification is only aesthetic and it does not affect the mechanical properties of the cured product.
- It is the user's responsibility to ensure suitability for use. Safety Data available on request.
- Read the label carefully for essential health and safety information prior to use.

Technical Data

Chemical identity	Polyurethane sealant medium modulus
Physical state	Paste
Skin Formation Time	~ 60 ' (23°C, 50% RH)
Rate of Cure in mm	≥3mm in 24hr (23°C, 50% RH)
Resistance to Flow	to 23°C ≤ 3mm to 50°C ≤ 3mm
Shrinkage	≤ 10%
Temperature of Application	+5°C ≤ T ≤ +40°C
Specific Gravity	1.3g/cm ³ 0.95 g/cm ³ (20°C)
VOC (VOC categories according to directive 2004/42/CE)	≤ 80g/L
Good chemical resistance	To Hydrochloric acid (10%), Orthophosphoric acid 8 4 %, Ammonia 22 %, Saltwater, Bleach, E Spirit, Hydrogen peroxide 33 vol, Ethanol 20 %, Gasoline, Paraffin Oil, 37 % formic aldehyde solution, White spirit

Further Information:

In the event of further queries or problems concerning the use of this product, please contact the address below, e-mail info@cromar.uk.com.

All products should be sold in accordance with the manufacturer's instructions. The manufacturer cannot be held responsible where conditions of use are beyond our control. Cromar Building Products Limited products' are available for sale in accordance with Cromar Building Products Limited standard conditions of sale, which is available upon request. Whilst any information contained herein is to the best of our knowledge true and accurate, no warranty is given or implied in connection with any recommendations, agents, or distributors, as the conditions of use and any labour involved are beyond our control. Our warranty is therefore limited to the quality of supplied product.