SpECseal MS40

1 PART, HIGH MODULUS POLYURETHANE CONSTRUCTION SEALANT

High Modulus · UV Resistant · Adhesion

DESCRIPTION

SpECseal MS40 is a high quality, neutral, elastic, one-component construction joint and adhesive sealant based on polyurethane.

TYPICAL USES

- Bonding of roof tiles.
- All kinds of bonding in the construction sector.
- All sealing and bonding applications in the building industry.
- Sealing of shrinking joints in concrete floors.
- Strong elastic bonding in vibrating constructions.

ADVANTAGES

- Non staining on natural stone
- Very easy to apply
- Permanently elastic after curing
- Excellent resistance to UV radiation
- Excellent resistance to many chemicals
- Very good adhesion on many materials

TECHNICAL DATA

PROPERTIES	VALUES
Colours	Grey, white, beige and ivory. Other colours subject to minimum quantity
Skin Formation @ 23°C and 50 % RH	Ca. 25 min
Curing Speed @ 23°C and 50 % RH	Stable Paste
Density	1.5 g/lm
Shore A Hardness (ASTM D2240)	40±5
Elastic Recovery (ISO 7389)	>80%
Max. Allowed Distortion	±20%
Max. Tension (ISO 37)	1.70 N/mm^2
Elasticity Modulus at 100 % (ISO 37)	0.50 N/mm^2
Elongation at Break (ISO 37)	200%
Temperature Resistance	-30 to +90°C

APPLICATION INSTRUCTIONS

PREPARATION

It is essential that the joint arises are clean and free from any deleterious matter which could prevent adequate bond to the substrate.

The substrates must be clean, dry, free of dust and greaseand other contaminations. Do not apply to wet, damp or hot surfaces, or during inclement weather when used in exterior joints.

APPLICATION

SpECseal MS40 shall be applied with a manual or pneumatic caulking gun. After application the sealant can be smoothed with a finishing tool or gloved finger dipped in soapy water as lubricant.

JOINT DIMENSIONS

Aspect	Minimum Width	Maximum Width	Minimum Depth
Bonding Width	2mm	10mm	N/A
Jointh Width	5mm	30mm	5mm

Recommendation sealing jobs: joint width 2 x joint depth

PACKAGING AND YIELD

SpECseal MS40 is supplied in 600ml sausage.

EQUIPMENT CLEANING

SpECseal MS40 should be removed immediately from tools using solvent (white spirit) before curing. Cured material can only be removed by mechanical means.
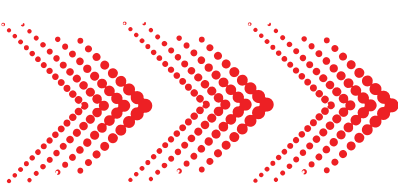
APPLICATION TEMPERATURE RANGE

Minimum	+5°C
Maximum	+35°C

STORAGE AND SHELF LIFE

SpECseal MS40 has a shelf life of 12 months when stored in original packaging at a maximum temperature of 25°C. If stored at high ambient temperatures or at high humidity the shelf life will be reduced by as much as 50 - 60%.

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REMARKS

- Paintable with most common paints; however, a compatibility test is advisable due to the wide range of lacquers and paints available.
- Good UV resistance, but may discolor under extreme conditions or after prolonged UV exposure.
- Recommended to perform a compatibility test before application.
- Not suitable for use as a glazing sealant.
- Avoid contact with bitumen, tar, or other materialsthat release plasticizers (such as EPDM, neoprene, butyl, etc.), as this can cause discoloration and loss of adhesion.
- Do not apply or allow to cure in the presence of uncured silicone sealants, alcohol, or other solvent cleaners.

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