MEGA MAX BOND

Mega Sealers
Waterproofing Solutions

Elastomeric Polyurethane Joint Sealant

DATA SHEET

Description:

Mega Max Bond is reliable low modulus polyurethane based elastomeric sealant, allowing a high degree of elongation. It cures under the effect of atmospheric humidity to form a flexible and resistant joint with very good adhesion on most materials. After stretching, it recovers its performances and its resistance to climatic ageing, rain, snow, salt haze, ozone, ultra violet rays and atmospheric corrosion. It can be later painted after full curing: a preliminary test is recommended. Mega Max Bond is a high performance one component, moisture curing products which form permanent elastic bonds, polyurethane construction sealant. In properly designed and constructed joints the product has been formulated to offer a non - slump elastomeric seal, which exhibits good skin formation time and a fast cure.

Surface Application:

Preparation: To ensure excellent adhesion the joint profile, including arises should be clean, sound, dry and free from any loosely adherent material which could prevent adequate bond to the substrate. UV exposure may cause Mega Max Bond White to discolor. This does not affect the Mega Max Bond performance.

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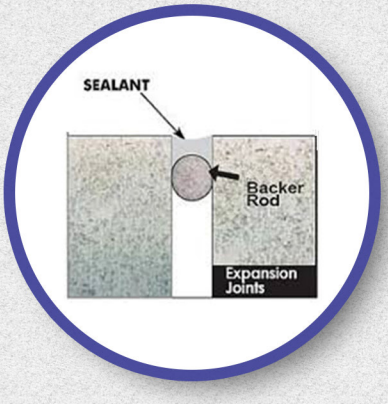
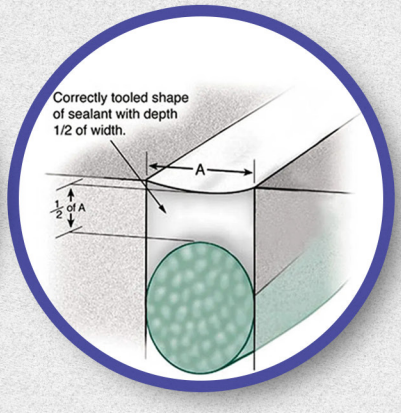
Typical Uses:

Mega Max Bond has been developed specifically for sealing dynamically moving joints such as; expansion and control joints.

- For waterproofing of masonry joints.
- Therefore may be used to bond and seal most common building materials including concrete, glass, wood, stone, metal and anodized aluminum
- In expansion joints in concrete structures.
- As joint sealant between heavy and light prefabricated concrete elements.
- As a joint sealant in metal structures, in cladding, in door and window frames (metal, wood, aluminum, PVC).
- As a sealant for cracks.
- As a sealant in glass blocks.
- For bonding baked clay and concrete roof tiles.
  In the joint between the precast panels





Advantages:

- Durable resilient seal.
- Non Staining.
- Primer Free (except M1 smooth mortar).
- Demonstrates good resistance to dilute acids and alkalis.
- Available in grey.

Technical Data

Uncured Sealant		Cured Sealant	
Chemical basis:	Modified MS(Polyether)	Hardness Shore A :	30~50
Form:	SAG Resistance Paste	Tensile Strength:	>1.0 N/mm^2
Curing mechanism:	Moisture curing	Elongation At Break (ASTM D412):	>600%
Specific gravity:	1500 +/- 10kg/m3	Joint movement capability (ASTM C719) :	+/- 50%
Curing Speed:	5-10mm/24hrs	Elastic Recovery (ISO 7389):	>70%
		Temperature Resistance:	-40°C to +90°C

Application:

Mega Max Bond shall be applied using a conventional sealant application gun, ensuring enough sealant is applied to facilitate the correct width to depth ratio for the joint. Following the application the sealant must be tooled into place to ensure adequate adhesion with the joint profile is achieved. Finally tool to a neat finish using a solution of soap and water onto a gloved finger or tooling stick.

Chemical Resistance:

Mega Max Bond has resistance to:

Dilute acids and alkalis	Medium
Ultra violet light	Good
Saline solutions	Excellent

Packaging:

Mega Max Bond is supplied in 600ml/700ml/800ml sausage cartridge.

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