

■ DESCRIPTION

MAXITECH SL is an elastic, one component, self-leveling polyurethane sealant specifically developed to be used as a pourable floor joint sealant in applications where a high chemical resistance to fuels, oils and hydrocarbons is requested. It cures under the influence of atmospheric moisture to form a permanently elastic sealant with excellent adhesive properties and resistance to ageing and weathering.

■ USES

- Movement and connection joints in floors.
- Indoor and outdoor applications for pedestrian and traffic areas (petrol station, decks, car parks).
- In warehouses and production areas.
- Joints in waste water and sewage treatment plants (preliminary advice of information to technical department is requested).
- Floor joints in tunnel construction.
- Floor joints in working areas and runaways of airports.

■ KEY FEATURES

- One part - no mixing on site.
- Pitch free.
- Movement capability 25%
- Bubble-free curing
- Good mechanical and chemical resistance
- Very good adhesion to most construction materials
- Permanently elastic over a wide range of temperatures
- Approval / Standards Conforms to ISO 11600 F 25 HM
- Conform to BS 5212 for determination of resistance to heat ageing and fuel immersion.

■ SURFACE PREPARATION

Surfaces must be clean, dry, free of water, oil, grease or rust and of sound quality. Remove all loose particles or residues with a jet of compressed air, sandpaper or hard brush. Glass, metal and other non-porous surfaces must be free of any coatings and wiped clean with solvent. Pre-cast panels using form-release agents other than polyethylene film must be sandblasted or mechanically abraded and dust free.

Porous substrates: concrete, cementitious renders, mortars, brick, etc. have to be primed with Cleaner 1001, by using a brush. Before sealing allow a flash off time of at least 15 min.



MAXITECH SL

■ PACKAGING

Metal drum 200lt: net, 290 kg
Alu-PE bags 600 ml.: 20 bags per box
Alu-PE bags 1800 ml. 6 bags per box (on request); dedicated dispensing system

■ TYPICAL PROPERTIES

Appearance: Semi-liquid
Chemical nature: Polyurethane
Density [g/cc] (23°C and 50% r.h.): 1,48 ± 0,2
Colour: Grey
Curing Mechanism: Moisture-curing
Shore A (23°C and 50% r.h.): 25
Tack-free time [min] (23°C and 50% r.h.): 60 - 80
Curing time [mm/24h]: 2 (at 23°C and 50% r.h.)
Elastic modulus [N/mm²] (ISO 37 DIN 53504): ≥ 0,4
Tensile strenght [N/mm²] (ISO 37 DIN 53504): ≥ 1,8
Elongation [%] (ISO 37 DIN 53504): ≥ 750
Application temperature [°C]: from +5 to +40
Temperature Resistance [°C]: -40°/+90° for short period up 120

■ FOR BEST RESULTS

- MAXITECH SL can be stored for 12 months in its original packing (unopened container) at 5°- 25°C in a cool, dry place.
- The storage temperature should not exceed 25°C for extended periods of time.
- Keep away from wet areas, direct sunlight and heat sources.

■ CLEAN UP

Clean tools with acetone or alcohol immediately after use.
Cured material can only be removed mechanically.

■ NOTE

The above technical information is based upon our best knowledge and we shall not be hold liable for any mistake, omission, lack of information due to technical changes between the issue of this TDS and the date the product was acquired. This technical information is strictly indicative and nonexhaustive as well as any information given over the phone. The end user must test the product with its substrate prior using it and verify that it is suitable for the application. If the end user needs more technical information on the product, he must contact the vendor or manufacturer prior using it for its recommended application or for a specific project.

Our liability is subject to the current law and regulations as well as the professional association standards and according to our general terms and conditions of sales.

FOR INDUSTRIAL USE ONLY: BEFORE USE, REVIEW MATERIAL SAFETY DATA SHEET FOR FURTHER INFORMATION, INCLUDING CHRONIC HEALTH EFFECTS.

KEEP OUT OF REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR INDUSTRIAL USE ONLY. KEEP CONTAINER TIGHTLY CLOSED. FOR MORE INFORMATION CONSULT MATERIAL SAFETY DATA SHEET.

■ DIRECTIONS

1. Clip off tip spout @ a 45 degree angle to desired size.
2. Load cartridge into caulking gun & apply using steady, even pressure to completely bridge joints.
3. Smooth caulk using wet finger or a damp cloth for a neat appearance.
4. Wipe away excess with a damp cloth before surface skin over.
5. Protect from exposure to water until cured (72 hrs). May be painted in 2 to 6 hrs depending on climatic conditions. Conditions of cooler temperatures & higher humidity will extend drying time.

■ LIMITATIONS

- As sealant is self-levelling, it doesn't need to be tooled. Masking tape should not be used, just paying attention to the product not being put in excess respect to the joint volume capacity.
- Maxitech SL is resistant to chemical spillage by: dilute acids, dilute alkalis, aviation fuels, diesel fuels, lubricant oils, petrol, kerosene, cleansing agents, sea water, lime water.
- Avoid exposure to high levels of chlorine (avoid to seal joints in chlorinated swimming pools). Avoid contact with alcohol and other solvent cleaners during cure. Do not apply when moisture - vapour transmission condition exists from the substrate as this can cause bubbling within the sealant.
- The ultimate performance of Maxitech SL depends on good joint design and proper application with joint surfaces properly prepared. Do not cure in the presence of curing silicone sealants.



ECO
FRIENDLY

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