

■ DESCRIPTION

MAXITECH 25 is a permanently elastic, one component, gun grade polyurethane construction sealant. It cures under the influence of atmospheric moisture to form a low modulus sealant with excellent adhesive properties and resistance to aging and weathering.

■ USES

- Sealing expansion and construction joints in vertical and horizontal applications
- Joints in precast elements
- External walling and cladding joints.
- Weatherproofing of joints between brickwork, block-work, masonry, wood and concrete or metal frames.
- Joints in walls, floors, balconies, around window or door frames
- Joints in water channels and suitable for hydraulic general sealing with contact with water.
- Bridge and balcony parapets.
- Retaining walls
- Roofing

■ KEY FEATURES

- Permanently elastic over a wide range of temperatures
- Non-sag consistency
- Non-sticky / does not pick up dirt
- Short cut-off string
- Easy to gun, can be easily smoothed and levelled out
- Good adhesion on all typical construction materials
- Excellent resistance to aging, weathering.
- Over-paintable with many water, solvent based paints (preliminary tests recommended)

■ 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.

■ PRIMING

MAXITECH 25 has general very good adhesion properties without the use of primer on most common building materials. Consequently, the use of the primer is not necessary if the support to be sealed is properly prepared and consolidated. However, varieties of brick, natural stone, plastics, paints, coatings and other treatments of surfaces often presents a difficult surface to which to adhere. Due to the number of unpredictable natures of these substrates, a preliminary test is recommended. If necessary, apply a coating of primer on the joint walls (Primer 2001 for porous surfaces).



MAXITECH 25

■ PACKAGING

Alu-cartridge 310ml: 12 cartridges per box
Alu-PE bags 600 ml.: 20 bags per box
Alu-PE bags 400 ml. 12 bags per box (on request)

■ TYPICAL PROPERTIES

Appearance: Thixotropic paste

Color: White, Grey, Black. Others on request

Chemical nature: Polyurethane

Curing Mechanism: Moisture-curing

Curing through volumen [mm] (1 day at 23°C and 50% r.h.): 2

Shore A (23°C and 50% r.h.; DIN 53505): 25

Density [g/cc]: **black:** 1,28 ± 0,02; **grey:** 1,33 ± 0,02; **white:** 1,35 ± 0,02

Tack-free time [min] (23°C and 50% r.h.): 120 - 140

Elastic modulus at 100% [N/mm²] (ISO 37 DIN 53504): ≥ 0,4 ± 0,1

Tensile strength [N/mm²] (ISO 37 DIN 53504): ≥ 1,5

Elongation [%] (ISO 37 DIN 53504): ≥ 700

Movement accomodation factor (MAR): 25% of total movement capacity

Application temperature [°c]: from +5 to +40

Temperature Resistance [°c]: -40°/+90, for short period up 120

■ FOR BEST RESULTS

- MAXITECH 25 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

- MAXITECH 50 may be painted. However some coatings may crack if movement occurs, preliminary tests recommended.
- Avoid exposure to high levels of chlorine (avoid to seal joints in chlorinated swimming pools).
- Do not cure in the presence of curing silicone sealants.
- 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.
- When applying sealant, avoid air-entrapment.
- Since system is moisture-cured, permit sufficient exposure to air.
- White colour tends to yellow slightly when exposed to ultraviolet rays.
- The ultimate performance of MAXITECH 25 depends on good joint design and proper application with joint surfaces properly prepared.
- MAXITECH 25 should not be used for structural glazing.



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