

■ DESCRIPTION

MAXITECH 307 is a one-part, fast setting solvent-free moisture curing polyurethane assembly adhesive which, once hardened, transforms into a very strong-bonding adhesive with excellent resistance to water, temperatures, weathering and ageing conditions. Due to the excellent filling properties, it is suitable for use in beading/cord applications.

■ USES

Specifically designed for high mechanical resistance in assembly and outdoor applications for woodworking, building & construction and joinery. Typical applications include:

- Powerful bonding of wood and derived wood products; chipboard, plywood, staircase renovation.
- Chemical anchorage in building construction, for bonding of stones, plasterboard, cement cover and insulation panels.
- Powerful bonding in metal construction; aluminium, stainless steel, galvanised steel, copper.
- Bonding of corner connections in metal door, windows and facades as well as conservatories.
- Bonding of stone, natural stone, brick and ceramics.
- Bonding of synthetic materials; PVC, fibre-reinforced plastics etc.
- Bonding of insulating materials including expanded polystyrene and polyurethane sheets

■ KEY FEATURES

- Excellent adhesion on numerous substrates.
- Easy-to-use.
- Solvent free – Odourless.
- Weathering resistance according to DIN 204 D4.
- Resistant to ageing.
- Resistant to chemicals.
- Good filling capacity

■ SURFACE PREPARATION

- All surfaces to be bonded must be perfectly clean, dry and free from dust, grease, oils and debris. Apply **MAXITECH 307** on one side with a caulking gun or spread on substrate with a spatula.
- Fix the substrates, which are to be bonded, until the adhesive is completely cured, the use of clamps however is recommended. The adhesive hardens up with environmental moisture and the moisture contained in the material when porous-absorbent; in case of non-absorbent materials or materials with <8% humidity slight moistening the substrates improves curing rate and gap filling characteristics as adhesive foams up to penetrate the bond cavity.



MAXITECH 307

■ PACKAGING

Cartridge 310ml. (10.3.fl.oz.)
Sausages 610ml. (20.1fl.oz.)
Buckets 7 gal. (26.5 L)
Drums 52.8 gal. (200L)

■ TYPICAL PROPERTIES

Appearance: Thixotropic paste

Color: Beige

Chemical nature: Polyurethane

Curing Mechanism: Moisture-curing

Viscosity [Pa·s] (23°C; conic plate): 50 - 60

Density [g/cc]: 1,44 ± 0,02

Film formation time [min] (on substrate dry, at 23°C and 50% r.h.): 6

Film formation time [min] (on substrate wet, sprayed with water at 23°C and 50% r.h.): 3

Initial setting time [min] (on substrate dry, at 23°C and 50% r.h.): 15

Final setting time [hours] (2,5 mm adhesive to EN 205 beech tree / beech tree and 50% r.h.): 24

Shear stress strength [N/mm²] (according to EN 205 beech tree / beech tree): ≥ 10 after 7 days in normal climate (according to EN 204 D1)

Shear stress strength [N/mm²] (according to EN 205 beech tree / beech tree): ≥ 4 after 7 days in normal climate, 6h in boiling water and 2h in 20°C water (according to EN 204 D1)

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

Temperature Resistance [°C]: -40 / +100 after curing

■ FOR BEST RESULTS

■ **MAXITECH 307** can be stored for 12 months in its original packing (unopened container) at 10° - 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

When the adhesive has still not hardened, it can be removed from the trowel using some paper or a cloth. Once it has hardened, then removal must be effected mechanically. Avoid skin contact using latex, rubber or polyethylene gloves.

■ 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.



Maxitech Inc. 7404 Sand Street.
Fort Worth, TX, 76118

(817) 590 4472 | www.maxitechusa.com