TECHNICAL DATA SHEET



MS HYBRID SEALANT PU40

Is a one-component, moisture-curing MS hybrid sealant and adhesive, formulated for bonding and sealing applications in construction, industry, and transportation. It combines high initial tack, permanent elasticity, and excellent resistance to weathering, vibration, and UV radiation. Low odor and DOP-free, non-corrosive, and paintable once cured.

Specifications

Property	Unit	Value
Density	g/cm³	1,58 ± 0,1
Tack-free time (skin formation)	min	≤ 30
Cure depth (24 hrs.)	mm	≥ 2,5
Cure depth (7 days)	mm	≥ 6
Hardness (7 days)	Shore A	35 - 50
Elongation at break	%	≥ 300
Tensile strength	Mpa	≥ 1
Sagging	mm	≤ 1
Presentation		Cartridge 400 g
Color		Black / White / Grey

Benefits

- Good resistance to vibration and fatigue.
- Paintable.
- DOP-free.
- Waterproof, easy to use, durable, and flexible.
- Resistant to weathering and UV radiation.

Instructions for Use

Puncture the seal on the tube nozzle, attach the applicator tip, and load it into the caulk gun. The substrate surface should be clean and free of adhesive/sealant debris, oil and dust. Apply the sealant to the joint areas, smooth it with a straightedge or spatula, and remove any excess. Allow to cure before painting.
Application temperature: 5 to 45 °C

Restrictions: Avoid exposure to high levels of chlorine. Due to the wide variety of plastics available, a preliminary adhesion test is recommended. Do not use on surfaces in direct contact with food. Do not use for structural glazing. Not recommended for continuous water immersion. Do not apply on surfaces with a temperature above 50 °C. Do not apply below 5 °C.

Applications

- Multipurpose: bonds, seals, and repairs.
- Indoor and outdoor use.
- Resistant to weathering and UV radiation.
- Automobile and bus bodies.
- Multipurpose for construction.
- Excellent adherence to glass and metallic surfaces.
- Bonding precast concrete panels.
- Expansion joints.
- Sealing perimeters and joints between construction materials with different coefficients of expansion.
- Sealing screens, partition walls, baseboards, etc.
- Bonding and sealing on roofs, terraces, facades, and precast elements.
- Cracks and fissures: in walls, floors, bathtubs, water tanks, etc.
- Sealing seams, pipe conduits, and ventilation systems.
- Multipurpose use in metallic carpentry and wood projects.
- Bonding or sealing joints between most construction materials: glass, aluminum, ceramics, tile, concrete, wood, particleboard, brick, natural and artificial stone, metals, bathroom fixtures, marble, granite, fiberglass, galvanized sheet metal, etc.*
- High performance under mechanical stresses.
- Stays flexible; does not crack.
- Paintable.
- Non-corrosive

*Except PP/PE/PTFE

Warranty

TACSA guarantees a shelf life of 12 months for this product when stored unopened in a cool, dry place at temperatures between 5 °C and 27 °C, with humidity between 30% and 70%.
To avoid contamination of unused product, do not return any material to its original content.

The information provided is based on experimental results obtained under controlled temperature and humidity conditions. Repeatability depends on external conditions, the application method, and the tools used. TACSA shall not be liable for any loss, injury, damage, or harm resulting from improper use or misuse of the product. Users must determine the product's suitability for the intended purpose before use.