

Product Data Sheet



ASMACO ALL IN 1 HIGH-TECH SEALANT

Product Description:

ASMACO ALL IN 1 HIGH-TECH SEALANT is an easy-to-use, high strength, elastomeric product which can serve as both adhesive and sealant. It is a waterproof sealant and adhesive. It cures in 2448- hours and reaches maximum strength in 7 days.

Key Features:

- Easy to use
- Can be used on dry or wet surfaces
- Can be applied underwater
- Paintable
- Permanently flexible
- Non sag
- Can be applied to overhead surfaces
- VOC compliant
- Excellent resistance to chemicals micro organisms
- UV and weathering resistant
- Low odor adhesive

Main Applications:

ASMACO ALL IN 1 High-Tech Sealant is a product that can be used for DIY applications as well as in many forms of construction & Building including structural joints in heavy cladding, structural movement joints in floors and floor joints in heavily trafficked areas. ASMACO ALL IN 1 High-Tech is best suited for applications viz. household trim and molding, tile bonding and sealing, underwater bonding, underwater sealing and repair, bonding landscape blocks, paneling installation, sealing showers / pipes and baths, countertops & cabinets installation and repairs, bonding back splash to walls, window & door installation and sealing, masonry Sealing, installing wall stone, home exterior fixing and repairs, gutter sealing, roofing applications and repairs, HVAC sealing and repairs, marine & automotive applications and repairs including glazing and panel bonding / sealing, DIY projects, emergency adhesive and sealant repairs.

Typical Properties:

Composition	1-part Hybrid, moisture curing
Consistency	Smooth and pasty
Colour	Grey, White and other colors available on request.
Skin Over Time (max)	10 min (+23°C / 50% r.h.)
Curing rate	≈ 3 mm/24 hours (+23°C / 50% r.h.)
Specific Gravity	≈ 1.67
Movement Capability Butt joints	25% (movement in tension and compression)
Sag flow	0 mm, very good
Service temperature	-40°C to +120°C
Application Temperature	+5°C to +35°C
Shore A Hardness	Minimum 45
Tensile Strength, N/mm ²	≈ 1.8
Tear strength, N/mm	≈ 8



Asmaco All In 1 High modulus High Tech Polymer sealant

Self-Leveling

Weather Resistant

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Elongation at break, %	≈ 230
Elastic recovery	≈ 80%
UV resistance	Good

Usage Instructions:

The joint surfaces must be clean, dry and free from all contamination. The surfaces should be de-greased using the appropriate solvent. Cut off tip of the cartridge, leaving thread intact. Screw on the nozzle and cut nozzle to the required size. Insert cartridge into a standard size caulking gun and squeeze trigger. Apply liberally to one side of the surface being bonded and apply firm pressure continuously for a minimum of 1030- seconds. In some applications, clamping may be required. If needed, the bonded objects can be repositioned within 10 minutes of application. Allow 2448- hours for curing. Will reach maximum strength in 7 days.

Usage Instructions:

Joint Width : Minimum 6mm Maximum 25mm (single application); 35mm (multiple applications)

Joint Depth: Minimum 10mm on porous substrates (12mm in floor joints) Minimum 6mm on non-porous substrates (12mm in floor joints) Maximum 20mm

Width: Depth ratio (within above min/max restrictions) 2:1 butt joints 1:1 tap joints/floor joints

Caution:

DIRECT CONTACT WITH UNCURED SEALANT IRRITATES EYES AND MAY IRRITATE SKIN. OVER EXPOSURE TO VAPOUR MAY IRRITATE NOSE AND THROAT. Avoid eye and skin contact. Use with adequate ventilation. Do not handle contact lenses with sealant on hand. In case of eye contact, flush eyes with plenty of fresh water for 15 minutes and obtain medical attention. In case of skin contact, remove from skin and flush with water. KEEP OUT OF REACH OF CHILDREN. Consult Material Safety Data Sheet (MSDS) to know more about handling and safe usage.

Storage and Shelf Life:

12 months from date of production if stored in undamaged original sealed containers, in dry conditions and protected from direct sunlight at temperatures at or below +25°C.

Packaging:

600 ml sausage and 280 ml cartridges



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SILICONE SEALANTS • WATERPROOFING COATINGS • PU SEALANTS • POLYSULPHIDE SEALANTS • ACRYLIC & DUCT SEALANTS
POLYURETHANE FOAM • SPRAY PAINT • SILVER CLOTH DUCT TAPE • CREPE PAPER MASKING TAPE • ALUMINIUM FOIL TAPE
P.E. PROTECTION TAPE • PVC PIPE WRAP TAPE • CONTACT ADHESIVE • EPOXY STEEL • PVC CEMENTS • SUPER GLUE