



Product Data Sheet

ASMACO PU ADHESIVE FOAM T-60 SECOND

Multi-Purpose Adhesive for Construction Applications, Insulation Systems, Panel Installation

Description: ASMACO PU ADHESIVE FOAM T-60 SECONDS is a versatile, multi-purpose polyurethane adhesive foam that provides strong adhesion to a wide variety of construction materials. It develops initial bonding within approximately 60 seconds, with curing performance influenced by ambient temperature and humidity. In dry conditions, curing may be slower and can be improved by lightly misting the surfaces with water. This professional-grade, single-component, moisture-curing, self-expanding aerosol adhesive is specially designed for bonding polystyrene insulation panels, sealing joints in insulation systems, and fixing insulated wall panels in both interior and exterior applications.

Manufactured using advanced technology with special additives, the product minimizes the emission of MDI vapors during application, enhancing user safety. However, prolonged exposure to MDI may lead to respiratory sensitization, skin irritation, allergies, or asthma. Once cured, the adhesive offers excellent resistance to temperature extremes (-40°C to +90°C), as well as moisture, mildew, and aging, ensuring long-lasting durability.



AREAS OF APPLICATION

- Bonding of polystyrene insulation boards (EPS/XPS)
- Installation of internal and external thermal insulation systems
- Fixing insulated wall panels and façade insulation systems
- Sealing gaps, joints, and cavities in insulation assemblies
- General construction bonding applications on common building substrates
- Fixing gypsum boards and lightweight construction panels
- Filling voids and irregular spaces in building structures
- Insulation works in residential, commercial, and industrial buildings
- Window and door frame insulation and sealing applications
- Roof insulation and perimeter joint sealing works
- Soundproofing and acoustic insulation applications
- Renovation and retrofit insulation projects
- HVAC duct insulation support and gap sealing
- Prefabricated panel assembly and installation works
- Construction detailing requiring thermal bridging reduction
- External Heat-Insulation Complex Systems (ETICS / EIFS) using polystyrene foam

KEY PERFORMANCE PROPERTIES

- Fast initial adhesion (approx. 60 seconds)
- Strong bonding to most construction substrates
- Single-component, ready-to-use system
- Moisture-curing for reliable performance
- Self-expanding foam for gap filling and sealing
- Excellent adhesion to polystyrene (EPS/XPS) insulation boards
- High mechanical strength and durable bonding
- Good thermal and acoustic insulation properties
- Resistant to temperature extremes (-40°C to +90°C)
- Excellent resistance to moisture and humidity
- Resistant to mold, mildew, and aging
- Low emission of MDI vapors during application
- Compatible with most common building materials
- Easy application with standard PU foam gun
- Reduces installation time and labor cost
- Good dimensional stability after curing
- Can be cut, trimmed, plastered, or painted after curing
- Suitable for both interior and exterior applications
- Good gap-filling capability for uneven surfaces
- Controlled expansion to prevent panel deformation

METHOD OF APPLICATION

Surface Preparation

Ensure all substrates are clean, sound, and free from dust, oil, grease, curing compounds, and any loose or friable material. Remove contaminants mechanically if necessary. Surfaces must be dry; however, slightly damp substrates are acceptable for optimal curing.

Surface Conditioning

In dry or hot environmental conditions, lightly mist the substrate with clean water prior to application. This will accelerate curing and improve adhesion, as the product is moisture-curing.

Can Preparation

Shake the aerosol can vigorously for at least 20–30 seconds before use to ensure proper mixing of contents. Repeat shaking periodically during application to maintain consistent performance.

Application Setup

Attach the can securely to a compatible PU foam applicator gun. Ensure the gun is clean and in proper working condition before starting application.



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Application of Adhesive Foam.

Apply the adhesive foam evenly onto the substrate in continuous beads or lines, depending on the application requirement. Maintain consistent pressure on the trigger to achieve uniform flow and coverage.

Assembly and Positioning.

Immediately position and press the materials firmly together within the working time (approximately 60 seconds). Adjust alignment promptly, as initial bonding occurs quickly.

Fixing and Support.

For vertical applications or heavy panels, provide temporary mechanical support until sufficient bonding strength is achieved.

Curing Process.

Allow the adhesive to cure fully before subjecting the bonded materials to load, stress, or further finishing. Curing time will vary depending on ambient temperature, humidity, and joint thickness.

Finishing.

Once fully cured, excess foam can be trimmed or cut using a sharp knife. The cured foam may be plastered, painted, or finished as required.

Cleaning.

Clean uncured foam immediately using an appropriate ASMACO PU FOAM CLEANER. Cured foam can only be removed mechanically.

PACKAGING / SUPPLYING

ASMACO PU ADHESIVE FOAM T-60 SECONDS is available in 750 ml, CAN (12 CAN / CARTON)

HEALTH & SAFETY

Contains Diphenylmethane-4,4'-Diisocyanate. Harmful by inhalation. Irritating to eyes, respiratory system and skin. Do not breathe spray/vapour. Wear suitable protective clothing and gloves. Use only in well-ventilated areas. Pressurized container. Keep away from direct sunlight and do not expose temperatures over 50 °C. Do not pierce or burn, even after use. Keep away from sources of ignition, no smoking. Keep out of the reach of child.

STORAGE & SHELF LIFE

Store in cool place under cover, out of direct sunlight and protect from extreme temperatures. The product store +5°C to 25°C, 50% in RH

The shelf life is up to 12 months in unopened conditions if stored as per guidelines.

QUALITY & CARE

All products originating from ANCHOR ALLIED FACTORY LLC Sharjah, UAE. facility is manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 22716:2007, ISO 9001:2015, and ISO 14001, ISO 45001, ISO 50001

TECHNICAL SPECIFICATIONS

PROPERTIES	UNIT	SPECIFICATION
Curing system	--	Moisture cure
Tack Free time	Seconds	60
Cutting Time	Minutes	45-60
Complete curing	Hours	24
Foam color	--	Off White
Density	Kg/m ³	18-27
Fire class of the cured foam	---	B3/F (DIN 4102/EN 13501)
Yield per 100 ml	Liters	5.0-6.0
Adhesion to Concrete	kPa	>50
Adhesion to Porous Polystyrene	kPa	>100
Compressive Strength	kPa	35-100 at 10% compression
Water Absorption	%	Max. 1.5% by volume
Thermal Conductivity	35°C W/(m.K)	<0.040
Shrinkage	%	<1
Can Temperature	°C	Min.+0, Max.+30
Application Temperature	°C	+5 to +30
Temperature Resistance	°C	-40 to +90 when cured

Properties listed are based on laboratory-controlled tests, all values given are subject to 5-10% tolerance.



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CERTIFICATIONS



TYPE OF ADAPTOR GUN**



** The purpose of this guide is to help users identify suitable gun adaptor tools commonly available on the market. Please note that we do not sell these tools.

ASMCO PU FOAM CLEANER

For cleaning the applicator gun and removing uncured foam spills from surrounding surfaces.



Regional Compliance Notice

Please note that regulatory requirements may vary from one region to another. As a result, product information and recommended applications may differ between countries. For accurate and up-to-date details on product specifications and approved uses, and for any technical guidance, please contact ANCHOR ALLIED FACTORY L.L.C. SHARJAH, UAE Technical Department.

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