



Product Data Sheet



ASMACO PU 72 Polyurethane Direct Glazing & Structural Bonding Adhesive Sealant

High Performance

Polyurethane Sealant

ASMACO PU 72

Product Description:

Asmaco PU 72 is an excellent, non-sag, one-component, flexible and high performance polyurethane adhesive that cures on exposure to atmospheric moisture to form a tough, durable adhesive. It is non-conductive allowing the correct bonding to glass incorporating radio antenna or additional electrical equipment.

Key Performance Properties:

- One-component
- Low odor
- Bonds and seals at the same time
- Short tack free and curing time
- Very high thixotropy for good gap filling properties
- Adhesion to a wide range of substrates
- Non-staining curing process
- Non-corrosive
- Initial load bearing capacity
- Increases torsional stiffness of final assembly
- Shock/Impact resistant
- Vibration and sound damping Properties
- Drive Away Time: 3 hours (throughout operating window of -5°C to +40°C)

Applications:

Asmaco PU 72 is a versatile elastic Polyurethane based Adhesive for the bonding of front, side and rear glasses used in Commercial/Industrial vehicles. Suitable for elastic structural bonding (assembly of various materials which are subjected to high thermal and dynamic stress) in the Transportation Industry.

Typical Properties:

Composition	1-part polyurethane, moisture curing
Consistency	Smooth and pasty
Colour	Black.
Skin formation	~ 10 minutes
Curing rate	67- mm /day
Application temperature	50°-95°F (10°-35°C)
Specific Gravity	1.34
Non sag property	Excellent
Service temperature	-40°-194°F (-40°-90°C)
Tensile lap-shear strength	580 psi
Shore A Hardness	~ 6065-
Tensile strength	~870 psi
Elongation at break	~ 400%
Volume resistivity	1X10 ⁷ Wcm appx.

73°F (23°C) / 50% r.h

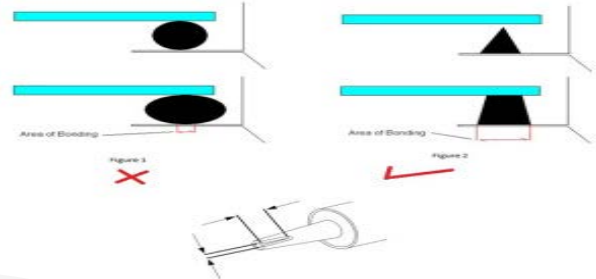
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Usage Instructions:

Surface preparation: Surfaces must be clean, dry and free from all traces of grease, oil and dust. The surfaces must be treated with a cleaning or activating agent and/or primed with the appropriate primer.

Application: Cartridges: Pierce cartridge nozzle opening. Cut tip of nozzle to appropriate size. For satisfactory results the adhesive must be applied with a piston type manual, air or battery cartridge gun. To ensure uniform thickness of adhesive bead, we recommend that the adhesive is applied in the form of a triangular bead (see illustration). Do not apply below 50°F (10°C) or above 95°F (35°C). The optimum temperature for substrate and adhesive is between 59°F (15°C) and 77°F (25°C).



Limitations

- For best results, use opened cartridges the same day.
- When applying sealant, avoid air entrapment.
- Do not use on polyethylene polypropylene, silicone, PTFE, and certain plasticized resins.
- When working in low temperature conditions, allow cartridge to reach room temperature.
- Always use a piston type cartridge gun (hand operated or pneumatic) to apply adhesive.
- Avoid contact with alcohol and solvents containing alcohol during application and curing.

Caution:

Direct contact with uncured sealant irritates eyes and may irritate the 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:

09 months from date of production if stored in undamaged original sealed containers, in dry conditions and protected from direct sunlight at temperatures between +10°C and +25°C.

Packaging:

ASMACO PU 72 is available in 310ml aluminum cartridge

Shipping Limitations: None

Note

The information and data contained in the product data sheet is believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of the product for usage. Since the supplier cannot know all the uses, or the conditions of use to which the product may be exposed, no warranties concerning the fitness or suitability for particular use or purpose are made. It is the user's responsibility to thoroughly test any proposed use of our products and independently conclude satisfactory performance in the application. Likewise if the application, product specifications or manner in which our products are used require government approval or clearance, it is the sole responsibility of the user to obtain sure authorization.

Non – Warranty: Because the storage, handling and application of the material is beyond Anchor Allied Factory Ltd's control, we can accept no liability for the result obtained. Anchor Allied Factory Ltd's sole limited warranty is the product meets the manufacturing specifications in effect at the time of shipment. There is no warranty or merchantability or fitness for use, nor any expressed or implied warranty. Anchor Allied Factory Ltd will not be liable for any incidental and consequential damage of any kind. The exclusive remedy for breach of such limited warranty is a replacement of any product shown to be other than warranted. Suggestions of uses should not be taken as inducement to infringe any patents.



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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