



Product Data Sheet

ASMACO SYNTHETIC RESIN ADHESIVE

High-Performance Water-Based Synthetic Resin Adhesive for Professional Woodworking and Joinery Applications

Description: ASMACO SYNTHETIC RESIN ADHESIVE is a high-quality, water-based adhesive formulated for woodworking and handicraft applications. It is specifically designed to provide strong and reliable bonding for wood, paper products, and related joinery materials.



KEY PERFORMANCE PROPERTIES

- Excellent bond strength
- High initial tack and strong final adhesion
- Good resistance to creep under load
- VOC compliant
- Solvent-free and non-flammable
- Eco-friendly and non-hazardous
- Odor-free formulation
- Smooth application with easy spreadability.
- Good open time for flexible assembly
- Strong adhesion on porous substrates
- Fast setting with reliable curing performance
- Excellent film-forming properties
- Suitable for interior woodworking applications

AREAS OF APPLICATION

- Bonding of all types of wood and wood-based materials
- Furniture manufacturing and carpentry works
- Assembly applications including dowels, tongue-and-groove, and mortise-and-tenon joints
- Solid wood edge bonding and panel joining
- Surface lamination such as laminates and veneers on MDF, HDF, plywood, particle board, and blockboard
- Interior joinery and decorative woodwork applications.
- Handicraft and general craft applications.

- Door and window frame assembly
- Cabinet and modular furniture manufacturing
- Wood panel fabrication and edging works
- DIY woodworking and hobby applications
- General-purpose bonding of porous materials like paper-based substrates

METHOD OF APPLICATION

Surface Preparation:

Ensure that all surfaces to be bonded are properly prepared. Surfaces must be clean, dry, and completely free from dust, oil, grease, wax, paint, or any other contaminants that may affect adhesion. Proper surface preparation is essential to achieve maximum bonding strength.

Adhesive Preparation

Stir the adhesive thoroughly before use to ensure uniform consistency. Do not dilute unless specifically recommended.

Adhesive Application

Apply the adhesive evenly on the prepared surfaces.

- For **hardwood or dense materials**, apply adhesive on both surfaces to be bonded.
- For **softwood or porous materials**, apply adhesive on one surface only.

Assembly of Parts

Bring the bonded parts together while the adhesive is still wet. Ensure correct alignment before applying pressure. Immediate assembly is important to prevent premature skinning of the adhesive.

Pressing / Clamping

Apply uniform and adequate pressure across the bonded area using suitable clamps or pressing equipment. This ensures proper contact between surfaces and uniform adhesive distribution.

Excess Adhesive Removal

Remove any excess adhesive immediately using a damp cloth before it cures. This helps achieve a clean finish.

Curing Process

Maintain pressure during the curing period for optimal bond strength.

- **Initial setting time:** 2–3 hours (depending on temperature and humidity)
- **Full curing / maximum strength:** 24 hours

Post-Application Handling

Avoid stress, load, or movement on the bonded joint until full curing is achieved to ensure maximum performance and durability.



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COVERAGE

Approx. 45 – 50 ft² / kg
4 — 5 m² / Kg

PACKAGING / SUPPLYING

500 Gram x 24 / Box
1 Kg x 12 pcs / Box
3.5 Kg Pail x 4 pcs / Box
5 Kg Pail x 4 pcs/Box
20 Kg Pail

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 24 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

HEALTH & SAFETY

Use the product in a well-ventilated area and avoid direct contact with skin and eyes. Do not ingest the material. Appropriate personal protective equipment such as gloves and safety glasses should be worn during handling and application. Wash hands thoroughly after use. Keep the product out of reach of children and store it away from food and beverages. Dispose of the product and its container in accordance with local regulations. In case of accidental exposure or irritation, seek medical attention immediately.

TECHNICAL SPECIFICATIONS

Property	Value
Appearance	Milky white emulsion
Viscosity (30°C)	200–300 Poise
pH	4 – 6
Density (30°C)	1.04 – 1.08 g/ml
Flow	Continuous

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

CERTIFICATIONS



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.

Disclaimer

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