



Product Data Sheet

ANCHORSEAL AUTOMATE

Automotive high modulus sealant

Description:

ANCHORSEAL AUTOMATE adhesive is a single-component, high-modulus sealant that utilizes advanced silane-terminated polymer technology. Upon exposure to moisture, it cures to form a strong, flexible rubber with excellent initial tack, impressive green strength, and a rapid drive-away time, making it ideal for applications requiring durability and efficiency.



Paintable:

- Can be painted over after curing for seamless finishing.
- These properties make ANCHORSEAL AUTOMATE highly versatile and effective for demanding applications.

AREAS OF APPLICATION

Construction and Building:

- Ideal for sealing and bonding in various construction applications, including windows, doors, and curtain walls.

Automotive Industry:

- Suitable for use in automotive assembly and repair, particularly in bonding and sealing components.

HVAC Systems:

- Effective for sealing ducts and other HVAC system components to ensure airtight connections.

Marine Applications:

- Used in boat building and repair for its water-resistant properties and flexibility.

Transportation:

- Applicable in the manufacturing and repair of trailers, buses, and other transport vehicles where strong, flexible bonds are necessary.

Furniture and Cabinetry:

- Perfect for bonding decorative elements and surfaces in furniture and cabinetry, providing both structural integrity and aesthetic appeal.

Industrial Manufacturing:

- Used in various industrial applications for sealing and bonding parts in machinery and equipment.

Electrical and Electronic Devices:

- Suitable for sealing electrical enclosures and components, offering protection against moisture and contaminants.

General Repair and Maintenance:

- Versatile for household and industrial repairs, including gaps, cracks, and joints in a variety of materials.

These applications highlight the versatility and effectiveness of ANCHORSEAL AUTOMATE in multiple sectors and projects.

KEY PERFORMANCE PROPERTIES

One-Component:

- Simplifies application with no mixing required.

Quick Drive-Away Time:

- Cures fast, reducing wait time before use.

Low Odor:

- Suitable for indoor applications with minimal odor.

Isocyanate-Free:

- Safer for users and the environment.

Simultaneous Bonding and Sealing:

- Effectively bonds and seals in one step.

Short Tack-Free and Curing Time:

- Quickly becomes non-tacky and fully cures faster.

High Thixotropy:

- Excellent gap-filling ability for uneven surfaces.

Broad Substrate Adhesion:

- Bonds effectively to a wide variety of materials.

Non-Staining Curing:

- Leaves surfaces free of residue or stains.

Non-Corrosive:

- Safe for use on sensitive materials without causing corrosion.

Initial Load-Bearing Capacity:

- Supports loads immediately after application.

Enhances Torsional Stiffness:

- Increases structural stability of the final assembly.

Shock/Impact Resistance:

- Withstands impacts and vibrations effectively.

Vibration and Sound Damping:

- Reduces noise and vibration in applications.

Rev 01_ TDS_ ANCHORSEAL AUTOMATE_ GCC 1124



Product Data Sheet

METHOD OF APPLICATION

Introduction

This method statement outlines the procedure for the proper application of ANCHORSEAL AUTOMATE, a high-performance silane-terminated polymer sealant. It is designed for bonding and sealing various materials in construction and industrial applications.

Scope of Work

- This method applies to all applications where ANCHORSEAL AUTOMATE is used for sealing joints, gaps, and bonding materials in construction, automotive, and industrial settings.

Materials

ANCHORSEAL AUTOMATE

- Applicator tools (caulking gun, spatula)
- Cleaning solvents (if necessary)
- Personal protective equipment (PPE)

Preparation

Site Inspection:

- Ensure that the area is clean and free from contaminants such as dust, grease, and moisture.

Surface Preparation:

- Clean all surfaces to be bonded or sealed using suitable cleaning agents.
- Ensure surfaces are dry and free of loose materials.
- For porous surfaces, pre-apply a primer if recommended by the manufacturer.

Application Procedure

Equipment Setup:

- Use a standard caulking gun for easy application.
- Cut the nozzle of the ANCHORSEAL AUTOMATE cartridge at a 45-degree angle to achieve the desired bead size.

Sealant Application:

- Apply the sealant in a continuous, even bead along the joint or surface to be sealed.
- For vertical applications, start from the bottom and move upwards to avoid sagging.
- Ensure proper contact of the sealant with both surfaces.

Tooling:

- Smooth the bead of sealant using a spatula or a suitable tool to ensure complete adhesion and a neat finish.
- Remove any excess sealant promptly before it cures.

Curing and Finish

Curing Time:

- Allow the sealant to cure as per the manufacturer's instructions. Generally, the initial curing can be observed within a few hours, but full curing may take up to 24 hours, depending on environmental conditions.

Final Inspection:

- Once cured, inspect the sealant application for any gaps or areas that require touch-ups.

Health and Safety

Personal Protective Equipment:

- Wear appropriate PPE, including gloves, safety goggles, and masks if required.

Ventilation:

- Ensure the area is well-ventilated during application to minimize inhalation of fumes.

Waste Management

- Dispose of any unused sealant and packaging materials in accordance with local regulations and guidelines.

Conclusion

Following this method statement will ensure the effective application of ANCHORSEAL AUTOMATE, leading to high-quality bonding and sealing results in various applications.

PACKAGING / SUPPLYING

ANCHORSEAL AUTOMATE is available in 280 ml Plastic Cartridge (12 Cartridges / Carton)

COVERAGE RATE

The approximate linear meter sealant consumption per cartridge

Beed ø 15 mm	280 ml / 4.67 Running Meter
--------------	-----------------------------

CLEAN UP

Clean all the equipment immediately with ANCHOR CLEANER 1

STORAGE & SHELF LIFE

ANCHORSEAL AUTOMATE Store in cool place under cover, out of direct sunlight and protect from extreme temperatures. In tropical climate the product must be stored in air – conditioned environment (< 25° C). The shelf life is up to 12 months in unopened conditions if stored as per guidelines.

Note:

Storing the ANCHORSEAL AUTOMATE beyond the specified date on the label doesn't automatically make it unusable. For quality assurance, it is crucial to confirm with ANCHOR ALLIED FACTORY LLC whether the properties required for the intended use remain intact in such instances.

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 9001, and ISO 14001.

HEALTH & SAFETY

Protective clothing such as gloves and goggles should be worn while applying ANCHORSEAL AUTOMATE. In case the material splashes to the skin or eyes wash the same with fresh water immediately.



Product Data Sheet

TECHNICAL SPECIFICATIONS

PROPERTIES	TYPICAL VALUES	TEST STANDARDS
Color	Black /White	—
Consistency	Thixotropic (Non Sag)	ASTMC 920 -18/ASTM C 639 -15
Curing Mechanism	HYBRID	—
Application Temperature	+5°C — +40°C	—
Density, g/m ³	1.57 ±0.02	ASTM D 1475
Skin Over Time	15 min (RT)	ASTM C 920 -18 / ASTM C 679 - 15
Curing rate	> 2 mm/day (23°C and 50% R.H)	—
Hardness Shore A	50 - 60	ASTM D 2240
Adhesion & Cohesion	No, Cracks, Loss of Adhesion	ASTMC 920 -18/ASTM C 719 -14
Elongation at Break	≥ 300 %	ASTM D 412
Tensile Strength	>3.0 N/mm ²	ASTM D 412

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

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.

All ANCHOR ALLIED FACTORY LLC datasheets are updated on a regular basis. This technical data sheet supersedes all previous editions relevant to this product. It is the user's responsibility to obtain the recent version.



☎ : +971 6 5342091, 📠 : +971 6 5342107, P.O. Box No.: 21152

MFG. OF SILICONE , ACRYLIC & POLYURETHANE SEALANTS, WATER PROOFING COATINGS,
SELF - ADHESIVE TAPES, SPRAY PAINTS, CONTACT ADHESIVE, PVC CEMENTS, EPOXY STEEL

Rev 01_ TDS_ANCHORSEAL AUTOMATE_ GCC 1124

📍 Industrial Area-15, Sharjah, U.A.E. 🌐 www.anchorallied.com ✉ info@anchorallied.com