

ADBOND 1500 SERIES

Hybrid adhesive sealant for metals and plastics

DESCRIPTION

ADBOND 1500 SERIES is a hybrid single component elastomeric sealant / adhesive that was design for transport vehicle assembly and sealing or other industrial application. ADBOND 1500 SERIES provides a permanently flexible bond and can be used to attach materials that have dissimilar coefficient of expansion. It adheres to a wide variety of substrates without the need of primer. It is non-staining and low odor.

FEATURES

- Permanent elasticity from -40°C to 100°C (-40°F to 212°F)
- Application temperature range from -5°C to 35°C (23°F to 95°F)
- Isocyanate free
- Compatible with most industrial paints (always test before use)
- Paintable after skin formation (wet to wet)
- Excellent UV resistance and very good aging properties

LIMITATIONS

- Not designed for permanent immersion joints
- Where the sealant is encapsulated and does not have access to ambient humidity
- In contact with strongly acidic or alkaline products
- Joint less than 1/4 "(6 mm) wide and deep

PHYSICAL PROPERTIES

Uncured	
Appearance	Pasty
Color	White (1502), black (1503) and grey (1509) special colors upon request
Density	1,30 – 1.35
Tack free time (ASTM C679) at 23 °C (73°F) / 50% R.H.	46 minutes
Curing after 24 hours	2.27 mm
Extrusion rate (30psi at 23 °C / 73°F)	180 gr. / minute
V.O.C.	27,7 gr/L
Shelf life	6 months
Cured	
Hardness / Shore A (ASTM D2240)	63 – 69
Ultimate Tensile strength (ASTM D412)	432 psi
Tensile strength at 100%	219 psi
Elongation at break (ASTM D412)	300%
Lap shear strength (ASTM C961)	100 psi
Water absorption after 24 hours (ASTM D570)	1.25%

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APPLICATION

- Adhesive sealant for coachwork, portable building, recreational vehicle, buses, railcars, trailer and truck bodies
- Vibration suppression between metals, wood and combinations of wood and metal
- Sealing welded seams in sheet metal
- Sealing sandwich panels and bonding metal strips on sandwich panels
- Sealing cold storage containers, metal tanks, etc.
- Elastic / cohesive bonding of metals on wood, metal, some plastics and glass

SURFACE PREPARATION

Surface must be free of dust, oil, grease, frost or any other contaminant. On porous surface, first use mechanical tool such as grinder to remove old sealant or any other contaminant. Use ADSEAL CLEANER 6003 to clean all surfaces. Let it evaporate 20 minutes before sealant application. Ensure ADSEAL PRIMER MK60095 have been applied if necessary. When using ADSEAL PRIMER MK60095 let evaporate for 20 minutes prior to ADBOND 1500 SERIES application.

METHOD OF USE

ADBOND 1500 SERIES is easy to apply with a conventional manual, electric or pneumatic applicator (do not exceed 45 psi for a cartridge). Shape the sealant bead with the appropriate tool. In order to facilitate the work, the shaping can be done with a solution of 5% clear dish soap and 95% water. Dip the ADSEAL TOOLING KIT into the solution. Avoid applying solution directly to the sealant. The use of this solution may reduce sealant adhesion if used in an abusive manner. Always perform a test on painted surfaces to ensure the adhesion.

STORAGE

12 months in closed original packaging stored in dry premises at a temperature lower than 77°F (25°C). In cold weather, store the packaging at about 68°F (20°C) before use.

CLEANING

Sealant should be clean with solvent before curing. After curing, abrasion is necessary.

PACKAGING

- 304ml cartridge
- 600ml sausage
- Pail
- Drum

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Always consult sds before using the adhesive. For industrial use only. For more information, please contact your technical representative.

IMPORTANT**READ CAREFULLY**

The information and recommendations contained herein are derived from our research and information from other reliable sources. This data applies only to our products and not when used with other products. We believe in the reliability of our information. However, no guarantee is offered to that effect. It is the responsibility of the buyer to verify this data according to their own operating conditions to ensure that they conform to the purpose for which the product is intended, even before using it.

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