

ADBOND 5880
2K Hybrid Adhesive**DESCRIPTION**

ADBOND 5880 is a high modulus / high strength 2 component 10:1 ratio hybrid adhesive. With a setting time of 20 to 30 minutes the initial strength is reached after 60 minutes. ADBOND 5880 is used in several manufacturing markets such as transport, HVAC, construction materials, appliances, agricultural and construction machinery. It gives a very good adhesion on some painted metal surfaces, etched and anodized aluminium, galvanized steel, stainless steel and some plastics.

SPECIAL FEATURES

- Solvent free
- Isocyanate free
- Phthalate free
- Odorless
- No dibutyle tin compound
- Fast curing
- Non corrosive
- Paintable
- Excellent UV resistance and very good aging properties

LIMITATIONS

- Not designed for permanent immersion joints
- In contact with strongly acidic or alkaline products
- When the ADBOND 5880 is painted, it is possible that the paint will crack if the sealant has a higher elasticity than the paint.

PHYSICAL PROPERTIES

Uncured	
Appearance	Pasty (part A and B)
Color	Part A : white Part B : black Mixed : grey
Density	Part A : 1.37 Part B : 1.53
Tack free	14 – 17 minutes at 23°C (73°F) 50% h.r.
Setting time	20 to 30 minutes
Shelf life	12 months

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Cured	
Hardness (shore A)	After 60 minutes : 23 After 24 hours : 60 Full cured : 83 – 85
Elongation at break (ASTM D412)	393%
Tensile strength (ASTM D412)	454 psi
Shear strength on anodized aluminum (ASTM C961)	290 psi
Shear strength after 2 hours (ASTM D1002)	80 psi
Shear strength (long term) (ASTM D1002)	354 psi
Tear strength (ASTM D624)	70 pli
Jaguar JNS 30.03.35 (cataplast test)	Gelcoat : 100% cohesive Fiber glass 100% cohesive Stainless steel 100% cohesive

APPLICATION

- Vertical and horizontal panel assembly for truck body, trailer, bus, etc.
- Roof bow
- Vehicle body assembly
- Bonding and sealing between the hull and deck of boats
- Bonding of decorative elements or interior finishes
- Reinforcement plates inside sandwich panels or steel doors.

SURFACE PREPARATION

Surface must be free of dust, oil, grease, frost or any other contaminant. Use ADSEAL CLEANER 6003 to clean all surfaces. Let it evaporate 20 minutes before adhesive application. Ensure that ADSEAL PRIMER MK60095 have been applied if necessary. When using ADSEAL PRIMER MK60095 let evaporate for 20 minutes prior to ADBOND 5880 application.

METHOD OF USE

ADBOND 5880 is easy to apply with pneumatic 2K / 10:1 ratio equipment. The use of a 3/8 x 18 element static mixer (Adfast code PP3718) is recommended to ensure adequate mixing. Bonding should be done before skin formation. Temperature of substrates and adhesive should be the same. Uncured adhesive can be cleaned with a solvent such as mineral spirit. Cured adhesive can be removed only mechanically.

PACKAGING

- 750ml / 75ml cartridges kit
- Drum / pail kit

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Store in closed original packaging stored in dry premises at a temperature lower than 25°C (77°F). Expiration date is indicate on each container. Storage beyond the date specified on the container does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality insurance reasons. Contact our technical service.

CAUTION

Always consult sds before using the adhesive. Apply usual hygienic rules. Always test the product on your application before use. 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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