



ADHESION PRODUCTS

22290 Challenger Drive
Elkhart, IN 46514
(574) 970-8425 (O)
(574) 970-8426 (F)

TECHNICAL DATA SHEET AP-602 UHVFC Ultra High Viscosity Fast Cure

PRODUCT DESCRIPTION:

Adhesion Product's AP-602 UHVFC is a VOC compliant adhesive/sealant. It is an environmentally friendly, solvent and isocyanate free sealant/adhesive for the transportation industry. AP-602 UHVFC is designed for primerless adhesion to most common transportation assembly substrates. It is designed to replace mechanical fasteners, yet cost effective enough to be used as a sealant as well. The high viscosity, fast cure, high strength, low temperature flexibility, and ease of a one-part make AP-602 UHVFC the perfect choice for production assembly operations.

PRODUCT BENEFITS

- Bonds and Seals at same time
- One Part Formulation
- Replace rivets and mechanical fasteners
- High thixotropy for good gap filling properties
- Adhesion to wide range of substrates
- Short tack free and curing time
- Non-staining curing process
- Initial load bearing capacity
- Sandable and paintable
- Increases torsional stiffness of final assembly
- Shock/impact resistance
- Vibration and sound dampening

SURFACE PREPARATION:

All surfaces should be clean, dry, and free of dust and grease. No primer required for non-porous surfaces.

SHELF LIFE:

12 months in unopened packaging in a cool and dry storage place at temperatures between +41° F and +77° F

STANDARD COLOR:

Black, White, Aluminum

PACKAGING:

20 oz. sausage packs, 1 gl, 5 gl. And 55 gl containers.

Cleanup:

Uncured material can be wiped from surfaces using mineral spirits and Kent Acrysol.

Limited Warranty:

Adhesion Products warrants product to be of good quality and will replace or, at our election, refund the purchase price of any products proved to be defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Therefore, except for such replacement or refund, ADHESION PRODUCTS MAKES NO WARRANTY OR GUARANTEE, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, RESPECTING ITS PRODUCTS, and ADHESION PRODUCTS shall have no other liability with respect thereto. Any claim regarding product defect must be received in writing one (1) year from the date of shipment. No claim will be considered without such written notice or after the specified time interval. User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith.



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TECHNICAL SPECIFICATIONS:

Specific Gravity	1.52-1.56
Tack Free Time	Less than 40 minutes @ 77°F/50% RH
Skin Time	Less than 20 minutes @ 77°F/50% RH
Sag	Non-sagging
Tensile Strength (ASTM D412)	285 psi
100% Modulus (ASTM D412)	200 psi
Lap Shear	300 psi
Peel Strength (ASTM D1781)	25 PLI
Elongation	Approx. 250%
High Temperature Resistance	Up to 350°F for short periods
Low Temperature Flexibility	Properties retained to -75°F
Shore A	55-60
Corrosive Properties	Non-corrosive
Staining	Non-staining
Primerless Adhesion	100% cohesive failure on most common substrates

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COVERAGE:

For a .063" bond line thickness, a .250" bead will spread to a bond width of .750"
For a .031" bond line thickness, a .188" bead will spread to a bond width of .750"
Bond line thickness of less than .031" should be avoided

SURFACE PREPARATION:

AP-602 UHVFC bonds to aluminum, galvanized steel, stainless steel, fiberglass, most paints and primers and many plastics including polyester, PVC and ABS. Not recommended for use on Polyethylene, polypropylene, TPO, and PTFE without surface treatment.

Apply to clean, dry surfaces free of contaminants that can adversely affect adhesion. Remove all old sealant before applying AP-602 UHVFC. Testing a small area for compatibility is recommended. Uncured sealant can be removed easily with mineral spirits and many industrial cleaning solutions. Cured material will need to be physically removed.

PAINTING:

Cured product may be painted with most industrial & consumer paints. Testing prior to paint is end customer responsibility.

PRECAUTIONS:

Use with adequate ventilation. Inhalation of vapor during application and cure may cause slight eye or throat irritation. In case of contact with eyes, lips, or mouth, flush thoroughly with water. If irritation persists, consult a physician. Avoid repeated, prolonged contact with skin. See MSDS for additional information. KEEP OUT OF REACH FROM CHILDREN.

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