



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

TECHNICAL DATA SHEET
AP-300

PRODUCT DESCRIPTION:

AP-300 is an all-purpose, modified epoxy with glass beads that provides excellent tensile, peel and shear strength. Exhibits superior adhesion and flexibility to a wide variety of substrates including: ceramics, concrete, wood, composites, FRP and most metals-without the use of a primer. AP-300 has a user-friendly and forgiving 1:1 by volume mix ratio. Light stable and highly UV resistant. AP-300 outperforms most “brittle” 2-component systems by retaining high peel strength and flexibility through a wide temperature range.

TECHNICAL DATA:

Specific Gravity	PART A 1.19	PART B 1.44	BLEND 1.315
Color	White	Black	Gray
Viscosity (cps) *Brookfield Helipath T-E @ 5 rpms, 72°F	80,000	160,000	140,000
Work Time @72°F	15 min.		
Open Time @72°F	25 min.		
Ultimate Peel Strength	50 pli (ASTM D1781-93 Climbing Drum Peel for Adhesives)		
Tensile Strength	825 psi		
Lap Shear	750 psi		
Elongation	100%		
High Temperature Resistance	Up to 350°F for short periods		
Low Temperature Flexibility	Properties retained to - 75°F		
Shore A	82		

***Above values are typical values for the material, but not intended for use in specifications. Field conditions may yield different results.**

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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PACKAGING:

55 gallon Drums, 5 gallon pails, gallon cans, 400 ml dual cartridges

SURFACE PREPARATION:

Apply to clean, dry surfaces free of contaminants that can adversely affect adhesion. Remove all old sealant before applying product. Some substrate materials may not be compatible with this product. Testing substrate compatibility with this product before full application is recommended.

PAINTING:

Cured product may be painted with most industrial & consumer paints. Testing prior to painting is recommended.

STORAGE LIFE:

6 Months. For maximum shelf life, store unopened product between 65°F – 80°F.
Part B is cold storage sensitive. Do not store below 65°F for more than 1 week.

PRECAUTIONS:

Some applications may not be compatible with this product. Testing suitability for intended application before proceeding with full application is recommended. 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.**

TECHNICAL SERVICE:

Titan technical representatives are always available to provide assistance. Please contact our Technical Service Department with your questions or requests for specific applications.

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