



Advanced Repair Technology, Inc.

The Science of Repair

PRIME-A-TRATE® Flexible Cell-Bonding Primer

MANUFACTURER

Advanced Repair Technology, Inc.

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607.264.9040

PRODUCT DESCRIPTION

Prime-A-Trate is a two component epoxy-based wetting agent designed specifically to enhance the bonding strength of Flex-Tec HV, Flexible Repair Compound. The ultra-low viscosity properties make Prime-A-Trate the ideal material for creating a high-performance bond to the open cell structure of hard and soft woods or other porous materials.

BASIC USES

Prime-A-Trate can be used on both vertical and horizontal wood surfaces. Common applications are on exterior column bases, window sills and sashes, and architectural wood ornaments. It is also suitable for various manufacturing uses, to enhance the bonding strength in the repair of natural wood imperfections such as knots or checks, and the sealing of end-grain. The use of Prime-A-Trate is not necessary for bonding or filing metal, fiberglass or non-porous synthetic materials.

APPLICATION LIMITATIONS

- A** Do not apply over damp or contaminated/decayed surfaces.
- B** Designed to be used in concert with Flex-Tec HV Repair Compound.
- C** Always apply varnish or paint after completing the repair.

COLOR

Part A, is water clear. Part B is red.

INSTALLATION

(See separate application instructions for complete details)

TECHNICAL DATA

Refer to table below for typical properties*

*For information only. Not for specification purposes.

Performance Properties	Results	Test Method
Mix Ratio, by volume	2 to 1	
Mixed Viscosity, cps	1,500	
Tensile Strength, psi	7,500	ASTM D-638
Flexural Strength, psi	16,503	ASTM D-790
Compression Strength, psi	12,000	ASTM D-695
Elongation, %	3.0	
Hardness, Shore D	7.5	
Coefficient of Thermal Exp., in/in	60x10 ⁶	ASTM D-1674
Linear Shrinkage, %	<1%	ASTM D-2566
Peel Strength, pi	10	ASTM D-1876
Moisture Absorption %	10	ASTM D-570
Pot Life, Minutes, 200 gm	20-30	
Specific Gravity, g/cc	1.02	ASTM D-1475
VOCC Content, lb/gal	0	
Chemical/Fuel Resistance	Excellent	
Cure Schedule	Room Temp for 24 hours	

PACKAGING

Prime-A-Trate is available in 2 separate bottle totaling 350ml.

MIXING

In a disposable container, mix 2 parts of "A" to 1 part of "B". Mix thoroughly. Apply primer to surface using a small disposable paint brush.

WORKING TEMPERATURES

50 to 95 degrees Fahrenheit. Avoid working in direct sun light. Curing time will be extended in temperatures below 45 degrees.

SAFETY AND HANDLING

Prime-A-Trate contains no VOCs. Avoid direct contact with skin. Do not take internally. Consult Material Safety Data Sheets for complete information.

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CLEANING

Immediately remove all excess material from adjacent areas. Properly mask all adjacent porous surfaces to avoid penetration. For skin contact, wash with soap and water, household vinegar or citrus oil.

SHELF LIFE

2 years when stored in unopened, original container.
Store in cool, dry area.

TECHNICAL SERVICES

Advanced Repair Technology is committed to offering the best technical support available. Existing condition assessments, cost estimates, repair vs. replacement options, Contractor Workshops, site surveys and core sample testing are all services offered by ART or their Sales Representatives. Specification assistance also available.

AVAILABILITY AND COST

All Products and services are available throughout the United States via UPS shipments from the home office or by contacting your local retailer.

WARRANTY

All recommendations, statements and technical data contained herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. User shall rely on his own information and tests to determine suitability of the product for intended use, and user assumes all risk and liability resulting from the use of the product. Manufacturer and its representatives sole responsibility shall be to replace that portion of the product of the manufacturer which proves to be defective. Manufacturer shall not be liable to the buyer or any third party for injury, loss, or damage directly or indirectly resulting from the use of, or inability to use the product. Recommendations or statements other than those contained in a written agreement signed by an officer of the manufacturer shall not be binding upon the manufacturer.

STRUCTURAL APPLICATIONS

Due to the high flexural modulus of the Advanced Repair Technology's repair products, we recommend consulting a structural engineer to design a specific load bearing recommendation.

PRODUCT REVERSIBILITY

For conservation projects that require the products specified to be "reversible" in nature, Prime-A-Trate can be fully removed at any time using a Methylene-Chloride based paint stripping compound.

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