



Technical Data Sheet

**Solvent Free Construction
Adhesive: Product No. 0776**

Description

A professional strength VOC compliant/solvent-free construction adhesive.

Key Features

- Non-Flammable
- Environmentally Safe – No ozone-depleting chemicals
- Freeze Thaw Stable
- Strong Bond
- VOC Compliant – Solvent Free
- Exceeds ASTM C-557 & AFG-01

Uses

Ideal for stone, marble, hardboard, gypsum, wallboard, slate, ceramic tile, polyurethane & polystyrene foams.

Surface Preparation

Surfaces must be clean & free of any material that may prevent adequate adhesion.

Directions

1. Cut tip on slant for a ¼ to 3/8 inch bead size.
2. Puncture inner seal with nail or awl & place cartridge in caulk gun.
3. Apply adhesive to one of the surfaces in either a continuous or spot bead.
4. Press surfaces together firmly with a slight twisting motion. Certain larger applications may require additional bracing until the adhesive has dried. NOTE: For subfloors, apply adhesive to joists one sheet @ a time. Nail or screw each sheet as recommended by the American Plywood Association.

<u>Physical/Performance Property</u>	<u>Test Method</u>	<u>Typical Result</u>
Weight Per Gallon	Gardner Cup	11.8
Specific Gravity	Calculated	1.41
Total Non Volatile % Solids (Weight)	Computrac Analyzer	75%/weight
Extrudability/Application (as packaged)	Visual Observation	Excellent Application
Appearance	Visual Observation	Smooth Mastic
Odor	Subjective	Mild
Flash Point	Closed Cup	> 200F
Freeze/Thaw Stability	Test Lab 0 F/77 F @24 hrs or ASTM C731	Passes 5 Cycles
Shelf Life	Lab 50 C Oven – Accelerated	Minimum 1 Yr unopened @ 72F
Working Time/Open Time	Test Lab	Approx 30 min @ 72F
Storage Conditions	Test Lab	40F to 90F
Application Temperature	Test Lab	40F to 90F
Coverage	Test Lab	Approx 32 linear feet of ¼ inch bead
OSHA Flam Class	Documents Review	III B
UN Number	Documents Review	None
UN Class	Documents Review	Non-Hazardous
IMDG Class	Documents Review	Non-Hazardous
Adhesion – Wet Pine	Test Lab - Instron	216.6 (Wet requirement: 150)
Adhesion – Wet Fir	Test Lab – Instron	246.4
Adhesion – Frozen Pine	Test Lab – Instron	173.9 (Frozen requirement: 100)
Adhesion – Frozen Fir	Test Lab – Instron	259.1
Adhesion – Dry Lumber	Test Lab – Instron	494.3 (Dry requirement: 150)
Oxygen Bomb	Test Lab	Pass
Gap Fill	Test Lab	98.5
Moisture Resistance	Test Lab	195.4

Clean Up

Water before adhesive dries. After drying, use mineral spirits or equivalent solvent

For Best Results

- Store in temperatures between 40F & 90F
- Apply in temperatures between 40F & 90F
- Use additional bracing or mechanical fasteners for larger applications
- Works well on most metals, however for heavier metal or steel applications Red Devil Multi-Purpose Construction Adhesive is recommended
- See Subjective Adhesion Ratings below prior to use on listed substrates

Color

Beige/Tan

Packaging

Paper Cartridge

Limitations

- Not designed for continuous submersion
- Poor adhesion to CRS & Brass, Fair adhesion to White PVC & Copper

Environmental, Safety & Transportation Information

<u>Criteria</u>	<u>Evaluation Method</u>	<u>Status</u>
<i>CARB Compliance</i>	<i>Documents Review</i>	<i>Yes</i>
<i>Prop 65 Ingredients</i>	<i>Documents Review</i>	<i>Yes (see MSDS)</i>
<i>VOC Content</i>	<i>Calculated</i>	<i>Approx 6.6 gm/L</i>

Subjective Adhesion: White PVC: Fair, Lexan: Very Good, Plexiglas: Good, Gray PVC: Very Good, ABS: Very Good, CRS: Poor, Galvanized: Poor, Aluminum: Good, Copper: Fair, Brass: Poor.

Excellent – Cannot be removed from substrate w/o film damage

Very Good – Can be removed from substrate w/ difficulty

Good – Adequate adhesion for service

Fair – Below adequate adhesion for service

Poor – Barely adheres, very easily removed from substrate

CAUTION: NOT FOR INTERNAL CONSUMPTION. KEEP OUT OF REACH OF CHILDREN & PETS. KEEP FROM FREEZING. WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. (See MSDS for additional information).

LIMITED WARRANTY

Recommendations for use of this product are based on tests we believe to be reliable. Manufacturer and seller are not responsible for results where this product is used under conditions beyond our control. If when applied as directed, this material peels or separates, it will be replaced without charge upon presentation of proof of purchase and used cartridge. This limited warranty only applies to residential use and damages including consequential damage and other remedies are excluded. No other warranties apply, including fitness for a particular purpose.

TDS Number: 0776TD

Date of Issue: January 25, 2010

SEE MSDS FOR ADDITIONAL DATA/INFORMATION

Red Devil, Inc. • 4175 Webb Street • Pryor, OK 74361 • Phone: (918) 825-5744 • Technical Service: (800) 423-3845 • Fax: (918) 825-5761