

Wood Apply

## Wood Apply WA1164

High Performance Structural Sealant and Adhesive

### Product Description

WA1164 is a one-component multi-purpose structural adhesive/sealant designed for difficult bonding and sealing applications. WA1164 is moisture-curing and was developed for industrial uses requiring elasticity, high green strength (quick fixturing), and excellent adhesion. WA1164 is an excellent choice for many product assembly applications. WA1164 often provides primerless adhesion to steel, aluminum, ceramics, Styrofoam®, Kynar® coated metal, glass, wood, FRP, and many plastics. WA1164 is also suited for many applications requiring adhesion to concrete and cementitious building materials. WA1164 is based on a unique polymer system that will cure at temperatures as low as 13 F.

### Product Information: Features

- 100% solids
- Fast skin over
- Safe to Use - Solvent & Isocyanate Free
- Ultra-low VOC'S, 24.05 g/L
- May contribute to LEED V4 EQ Material Resource Credit 4.1 - Adhesives and Sealants
- Bonds to most common building substrates
- Remains flexible to absorb expansion and contraction

### Substrate Compatibility

- Aluminum
- Coated Metal
- Glass
- Wood
- EPS Foam
- Stainless Steel
- Cold Rolled Steel
- Concrete
- Block and Brick
- Ceramics
- Fiberglass
- Many Plastics

### Standards & Compliance

- Single component high solids formula
- Easily gunnable between 40 F and 100 F
- Cures rapidly to reach optimum strength within 7 - 14 days, optimum cure 21 days
- WA1164 can be installed on damp surfaces which is defined as when no moisture is transferred to the skin when the substrate is touched

### High Performance Durability

- Does not dry or become brittle
- Water resistant
- Permanent elastomeric bond

### Typical Properties

Please contact your Wood Apply Sales Representative before writing specifications around this product. Product Properties are as follows:

Property	Typical Value	Units	Test Method
<b>VOC'S</b>	24.05	g/L	ASTM C1250
<b>Skinover Time</b> @ 50% R.H. 70 F	3	Min.	ASTM C679
<b>Density</b>	12.18	#/gal	
<b>Hardness</b>	62	Shore A	ASTM D676
<b>Peel Strength</b>			
Aluminum	26.5	pli	ASTM D903
Mortar	25.9		
Glass	32.4		
Pine	25.7		
PVC	30.7		
Cold Rolled Steel	28.7		
<b>Tensile</b>	408	psi	ASTM D412-06
<b>Elongation at Break</b>	402	%	ASTM D412-06
<b>Chemistry</b>	Hybrid Polymer		
<b>Shrinkage</b>	0%		
<b>Service Temperature</b>	-40 F to 200 F		
<b>Viscosity</b>	6,800,000 3,925,000	cps @ 1 RPM cps @ 2 RPM	ASTM D2196-10

WA1164 typical values represent data from multiple batches. Values will be refreshed, as necessary, upon data collection from additional campaigns and long-term variability discernment.

## Wood Apply WA1164

### Application

Remove all dirt, oil, loose paint, frost, and other contamination from all working surfaces. Maintain WA1164 at room temperature before applying to ensure easy gunning and tooling. Test and evaluate to ensure adequate adhesion.

### Concrete

Prior to application, remove any residual contamination by mechanical abrasion, sandblasting, or power washing. On green concrete, remove all release agents and loose concrete. Dry all visible and/or standing water. Install an appropriate backer rod to avoid three-point bonding.

### Metal

Prepare all metal to ensure maximum adhesion. Remove all rust, scale, and residue using a wire brush. Remove films, loose or inappropriate coatings, and oils with an appropriate solvent such as alcohol.

\*Wood Apply recommends that coated substrates be tested for proper adhesion prior to starting a project to determine suitability for use.

### Wood

Wood should be clean, sound and dry prior to sealant application. Allow treated wood to weather for six months prior to application. Remove all coatings and paint to ensure proper adhesion.

WA1164 is not recommended for use on fire retardant lumber.

### Priming

In most applications, WA1164 will not require a primer. However, certain substrates may require a primer to ensure a long-lasting bond and weatherproof seal.

It is the applicator's responsibility to determine whether or not a primer is needed in their specific application.

### Clean-up

Clean tools with a mild solvent such as mineral spirits.

### Material Storage/Disposal

Store securely between 60F - 80F in unopened container. Recommended shelf life is 12 months from date of manufacture on bottom of tube. Keep tube tightly sealed. Dispose of contents/container in accordance with Local/Regional/National/International Regulations.

Refer to Safety Data Sheet (SDS) for further information.

### Shelf Life and Storage

The shelf life is 12 months for an unopened container from the date of manufacture. Reference the date of manufacture.

YYMMDD ex. 190522 is May 22, 2019

### Colors

Natural

### Packaging

10.1 oz. (300 ml) cartridges - 30 tubes/case, 64 cases/pallet

28 oz. cartridges (828 ml) - 12 tubes/case, 60 cases/pallet

### Warranty

Wood Apply warrants that our products are manufactured to strict quality assurance specifications.

For warranty information visit: [www.woodapply.com](http://www.woodapply.com)

### Precautionary Statements

Do not use until all instructions and safety precautions have been read and understood. Wear protective gloves, protective clothing, and eye protection. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace.

**IF ON SKIN:** Wash exposed body areas with soap and water.

**IF IN EYES:** Rinse with water, remove contact lenses continue rinsing.

If exposed or concerned get medical advice/attention. Refer to Safety Data Sheet (SDS) for further information.