



**THE RUSCOE  
COMPANY**  
Adhesives &  
Sealants

# Rusco-Weld U-173

## Part 1 & Part 2—two part urethane adhesive

### DESCRIPTION:

Rusco-Weld U-173 Part 1 and Part 2 is a two component urethane adhesive that bonds to a wide variety of substrates. The Rusco-Weld U-173 Part 1 and Part 2 was designed to bond sheathing materials, drywall, dimensional lumber, ceramic tiles, and composite flooring. Because of its very predictable cure rate and thixotropic nature, the Rusco- Weld U-173 Part 1 and Part 2 is ideally suited for adhering rubber composite and wood flooring.

### FEATURES:

- High solids
- High shear and tensile strengths
- Excellent moisture and heat resistance
- Predictable assembly and cure times

### PHYSICAL PROPERTIES:

	Part 1	Part 2
Base	Urethane	Isocyanate
Color	Off White	Dark Brown
Mixed Color	Tan	
Weight per Gallon	14.25-14.85 lbs.	10.25-10.50 lbs
Mixed Weight	10.8 lbs.	
Mix Ratio	100 parts by weight	18 parts by weight
Viscosity	250,000- 350,000 cps	300-500 cps
Mixed Viscosity	35,000-50,000 cps	
Non- Volatile	95%	100%
Mixed Non- Volatile	96%	

### Mixing:

Pour Part "2" into Part "1". Mix thoroughly with a drill motor and drywall blade until streaks disappear, usually 5 minutes. Only mix until streaks disappear. Over mixing reduces working time.

### Application:

Rusco-Weld U 173 Adhesive may be troweled or pumped and extruded in bead form. Adhesive deposition rate is determined by the porosity and tolerances of the substrates.

Open time: 2 hours at 75°F 50% R.H.

Cure time: 3 to 4 hours at 75°F 50% R.H.

To ensure optimal adhesion, all mating surfaces should be clean and free of any foreign matter.

Once opened, product must be consumed or re-blanketed with nitrogen or dry air.

### Pressing:

After the application of the adhesive, substrates must be pressed or kept in intimate contact for 45 minutes.

### Safety And Handling:

While Rusco-Weld U-173 Part 1 and Part 2 has high solids and low vapor pressure, misuse can lead to health risks. Please consult the appropriate MSDS for assistance with these products.

Care should be exercised when using these products. Store drums out of the sun and rain. Appropriate safety protection as defined by the MSDS should always be used

*continued*

**Legal: For your information**

All statements, technical information and recommendations contained herein are based on tests believed to be reliable, but the accuracy or completeness is not guaranteed, and the following is made in lieu of all warranties expressed or implied.

Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use of, or the inability to use the product. Before production, user shall determine the suitability of the product for their intended use and assumes all risk and liability in connection with and production.

**The Ruscoe Company**

P.O. Box 3858, Akron, Ohio 44314-0858 sales@ruscoe.com

485 Kenmore Blvd., Akron, Ohio 44301 • 330-253-8148 • 800-293-8148 • Fax: 330-253-2933