

# TECHNICAL DATA SHEET



## RELIOBOND-708-R CONTACT ADHESIVE LOW VOC

### DESCRIPTION

RB-708-R is a high-performance contact adhesive that can be used on a variety of substrates. RB-708-R is high-solids and provides a high yield with a smooth spray pattern that reduces telegraphing on thin laminates. It gives a water resistant, non-staining bond for common HPL applications.

### SUGGESTED USES

Formulated for use in bonding a wide variety of materials, including, but not limited to decorative laminates, metals (not copper), plywood, particleboard, polyurethane foam and rigid plastic.



### FEATURES

- Quick dry time
- High strength bonds
- Aggressive grab tack
- Smooth, flat spray pattern
- High green strength
- Long open time
- Excellent adhesion to many substrates
- Greenguard® Children & Schools Certified

### SURFACE PREPARATION AND APPLICATION

Use only after careful consideration of the warnings, directions and first aid instructions given. Do not thin. Surfaces to be bonded should be clean, dry and free of any dust, loose paint, wax, moisture, dirt, grease, oil, rust or other contaminants. Stir thoroughly before using. The adhesive should be at 60°F to 95°F. For best results, adhesive and materials to be bonded should be 60°F (15.6°C) to 95°F (35°C) during application. Allow substrates to acclimate to room temperature for 48 hours before bonding.

See page 2 for application directions by spray or brush.

### STORAGE AND SHELF LIFE

The shelf life for an unopened container of this adhesive stored at temperatures between 60°F (15.6°C) and 95°F (35°C) is 1 year from date of manufacture. Store out of direct sunlight in a cool, well-ventilated area. Avoid storing container directly on the floor or against an outside wall.

ATTENTION: Empty container remains hazardous until all flammable vapors, which may explode upon ignition, are gone from residue and container. Observe all labeled hazard precautions. Do not cut, puncture or weld while hazard exists. Do not reuse empty containers. Dispose of according to all federal, state, and local regulations.

### HEALTH AND SAFETY

Health and safety data sheets available upon request at The Ruscoe Company. Contact with skin and eyes should be avoided and necessary protective equipment and clothing should be worn.

### TYPICAL PROPERTIES

|  |               |
|--|---------------|
| Color  | Clear / Red   |
| Solids, by Weight %                                  | 30% - 34%     |
| Viscosity, Brookfield, Test Result, CPS (#2 @10 rpm) | 75 - 225      |
| VOC Content (EPA Method 24)                          | 2.30 g/L      |
| Flashpoint   | 8.6°F (-13°C) |
| Shelf Life   | 12 Months     |

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## RELIOBOND-708-R CONTACT ADHESIVE LOW VOC (continued)

### SPRAY APPLICATIONS

Apply adhesive uniformly to both surfaces and cover each surface a minimum of 80%. Some porous surfaces may require two coats. 100% coverage is recommended for the edges. Use only approved equipment. For typical applications a coating weight of 2.5 - 3.5 dry grams per square foot is recommended. Both surfaces must be allowed to dry before bonding. This will usually take from 2 to 5 minutes at room temperature under normal conditions. Heat and humidity, or cold weather can affect drying times. Surfaces are dry if adhesive is tacky, but no adhesive transfers to the hand when touched. Complete the bond within 30 minutes (under normal conditions) after the adhesive is dry.

### BRUSH APPLICATIONS

Apply the adhesive with a brush or solvent-resistant medium nap roller. Apply adhesive uniformly to both surfaces and cover each surface 100%. Some porous surfaces may require two coats. Double coat all edges. For typical applications a coating weight of 3.0 dry grams per square foot is recommended. Both surfaces must be allowed to dry before bonding. This will usually take from 10 to 15 minutes at room temperature under normal conditions. Heat and humidity, or cold weather can affect drying times. Surfaces are dry if adhesive is tacky, but no adhesive transfers to the hand when touched. Complete the bond within 30 minutes (under normal conditions) after the adhesive is dry. If the two surfaces don't grab immediately when brought into contact, they have dried too long. Position coated surfaces carefully before putting them together since no shifting is possible once contact is made. Bring surfaces together and immediately apply firm pressure over entire surface working from the center to the edges.

Apply a minimum of 30 psi uniform pressure over 100% of the area being bonded. Let bonded parts cure for at least 72 hours before exposing to direct sunlight of temperatures over 150° F (65.6°C). Replace lid after each use and secure tightly for storage. Do not use on vinyls or polystyrene foam. Some vinyls contain plasticizers, which can, over time, soften and dissolve the bond, or bleed through/discolor. When in doubt, or if product is to be used on vinyls, or other light-colored materials, conduct compatibility testing on the product to be bonded before use.

### HEALTH AND SAFETY

#### APPROVED SPRAY EQUIPMENT

#### AUTOMATIC

BINKS  
Spray Gun: 21,95A  
Fluid Tip: 63ASS  
Fluid Needle: 263A, 763A  
Air Cap: 66SD-3 24  
Air Atomization Pressure: 70-90 psi, Fluid Pressure: 6-10 psi  
Hot spray temperature: 120°F maximum.

#### MANUAL

BINKS DEVILBISS  
AGX-550 95, 2100 JGA-510, MSA-510  
FX 63ASS FX  
FX 663A, 563A FX

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