



TECHNICAL DATA SHEET

TACTILE BOND & SEAL™ is a one component, 96% solids, fast cure, flexible, silicone free, rubber based, dual purpose adhesive/sealant. It is a moisture cured non-sag system. TACTILE BOND & SEAL™ provides a permanently elastic bond to most substrates.

DESIGNED TO BOND AND SEAL:

- 1. Fiberglass and fiber reinforced plastic, Tactile Detectable Warning Panels
- 2. Concrete, masonry, stone and wood

FEATURES:

- 1. One component, ready to use, fast cure
- 2. Odorless and particularly low volume shrinkage
- 3. Suitable for Marine applications - above and below water line
- 4. Silicone free; paintable with most paints
- 5. UV stable, heat and moisture resistant
- 6. Broad adhesion spectrum to most substrates
- 7. Non-staining characteristics on stone substrates

TYPICAL PROPERTIES:

(Specification ranges available upon request.)

Base:	Polyurethane
Color:	Gray
Viscosity:	Paste extrusion grade
Weight/gallon:	9.8 pounds
Specific Gravity:	1.17
Temperature Range:	-40° F to 200° F
Shelf Life:	12 months when stored in original unopened container under 80° F

TYPICAL LAP SHEAR STRENGTHS (PSI):

(Samples aged 30 days at room temperature; pulled at 2 inches per minute)

Aluminum to aluminum	486
FRP to FRP	280
Plywood to plywood	336
Galvanized steel to galvanized steel	406
Galvanized to Kemlite®	189
Stainless Steel to Stainless Steel (7 day RT aged)	236
(SS type 304-2B)	

TYPICAL PHYSICAL CHARACTERISTICS:

(Specification ranges available upon request.)

Tensile Strength after 30 days at room temperature:	475 psi
Ultimate Elongation after 30 days at room temperature:	600%
Shore A Hardness after 30 days at room temperature:	35

UV Resistance:	Very Good
Ozone Resistance:	Excellent
Creep Resistance:	Excellent
Sag Resistance:	Excellent

PREPARATION OF SUBSTRATES:

Surfaces to be bonded should be cleaned of all dust, oils or other contaminates. A solvent wipe is often adequate. Bonds to rigid surfaces are usually improved by a solvent wipe followed with light abrasion (180 grit), and solvent wiping to remove abrasive residue. Dry surfaces thoroughly before applying adhesive.

METHOD OF APPLICATION:

TACTILE BOND & SEAL™ can be applied by ordinary caulking guns. Apply a bead of TACTILE BOND & SEAL™ to one surface at temperatures above 40° F. Surface skin formation will occur in 40-60 minutes, depending on ambient conditions. Initial set time is 4 hours, after which parts may be handled.

Clamping, taping or use of mechanical fasteners to hold parts in place until TACTILE BOND & SEAL™ develops strength is recommended. After 24 hours at room temperature, the product is considered self-holding. Strength build up is very fast in the early stages to give high holding power, with continued strength build up over time.

CLEANER AND THINNER:

Toluene, Methyl Ethyl Ketone

PRECAUTIONARY DATA:

Store in dark and cool place. Avoid excessive heat. During storage, moisture and water should be avoided. Reaction with moisture or water will cause quality deterioration, but will not be hazardous. For industrial use only.

DISPOSAL INFORMATION:

Disposal should be made by incineration or in accordance with applicable governmental regulations.