

Cordobond Strong-back Products are used extensively to repair:

Sea Valves	Machinery Casings
Bulkheads	Pumps
Vents	Pipes
Decks	Oil and
Condenser	Gasoline Tanks
Water Boxes	Plastic Boats

Adherence has been found excellent when used on the following:

Steel	Various Plastics
Iron	Wood
Various Alloys	

CORDOBOND REPAIR KIT

The Repair Kit is a commercial adaptation of the Navy Kit and comes packed in a suitable chest. It contains the following:

20 units ½ lb. Cordobond Strong-Back Standard Resin and Activator
 2 units ¼ lb. Cordobond Strong-Back Putty (red)
 2 units ¼ lb. Cordobond Strong-Back Sealer
 2 units 1 lb. Cordobond Strong-Back Steel Putty
 2 units 1 lb. Cordobond Strong-Back Level Compound
 2 rolls Cordobond glass tape 1½" x 50 yards
 3 yards Cordobond glass cloth — 38" wide
 1 yard Cordobond glass mat — 37" wide
 1 piece Cordobond Contour cloth — 12" x 37"
 4 pair plastic gloves, heavy duty
 1 roll pressure sensitive tape ¾" x 60 yards
 1 dozen paint brushes
 1 dozen wood stirring tools
 1 pair scissors — 9"
 1 piece kraft paper — 12" x 96"
 1 ball twine — ¼ lb.
 1 set measuring spoons

In considering other applications for these Cordobond products the following basic characteristics should be considered:

Ease of application—no special tools or equipment are necessary.

Accurate measurements are not necessary.

Substitute piping can be formed.

Molding around odd shapes is simple.

These products, when cured, are free of odor and essentially chemical resistant.

Expansion and contraction coefficients are within limits which permit most commercial applications.

Resistance to abrasion, vibration and moisture is high.

They have a long shelf life even under extreme temperature conditions.

Over 4000 sea-going vessels of all types including vessels of United States and foreign navies carry Cordobond Strong-Back repair kits.



GENERAL PROPERTIES OF ACTIVATED RESIN

Storage life—Resins and Activators, in excess of one year.

Inflammability—Any fumes or vapors emitted during cure are not combustible.

Adhesion—metal to metal or metal to Glass Cloth, shear bond strength, 800 lbs approx.

Cure time—Resin and Activator at 70F, ambient 70F, in mass about 12 min., when spread over large area up to 4 hrs.

Tensile strength—reinforced—40,000-50,000 psi.

Izod Impact—reinforced—28-30 ft lbs.

Dielectric breakdown—cured Resin—450-400 v per mil.

Flexural strength—40,000-50,000 lbs glass reinforced.

Edgewise compressive strength—30,000 lbs glass reinforced.

Initial modulus of elasticity—approx. 2.1×10^6 glass reinforced.

Barcol hardness—approx. 40.