



RC New Chemical Resources, Inc.

IMPORTER • MANUFACTURER • INDENTOR

MAIN OFFICE: G/F SERTESA BLDG., 73 C. JOSE ST., MALIBAY, PASAY CITY - 1300, METRO MANILA, PHILIPPINES E-MAIL: rcchem@pacific.net.ph
TEL. NOS.: 851-0486 * 851-0492 * 851-0498 * 851-0501 * 851-0947 FAX: (632) 851-0498

RC EPOXY Z-600

(General Purpose, Non-Sag Epoxy Adhesive)

GENERAL DESCRIPTION

RC EPOXY Z-600 is a specially formulated general purpose, non-sag epoxy adhesive. This product is of two components, solventless, paste consistency and cures at room temperature. When the two components (RESIN + HARDENER) are mixed and cured, the result is a thermosetting material that is unaffected by water, acids, alkalies, fuel oil, hot gases and other organic solvents.

APPLICATION

RC EPOXY Z-600 is primarily used as a general purpose, non-sag epoxy adhesive to bond dry, irregular, non-mating surfaces like concrete, steel, wood, stone, brick, plastic, glass, ceramic, cloth, paper and many other materials. This product may also be used as filler for woods, metals, plastics, ceramics, concrete and other solid objects. The bond produced by this product is stronger than the materials being bonded.

MIXING RATIO (1:1 BY VOLUME)

Mix one (1) part by volume of RESIN (Part A) to one (1) part by volume of HARDENER (Part B).

METHOD OF USE

1. SURFACE PREPARATION: Surfaces to be joined must first be sanded or roughened using a sand paper, emery cloth, wire or steel brush. It must be clean, dry and sound.
2. MIXING AND COATING APPLICATION: After surface preparation, mix one part by volume of component A and one part by volume of component B until a uniform color is obtained. Mix only sufficient amount that can be used within the pot life of the epoxy mix (approximately 90 minutes) to prevent wasting of materials.
3. APPLICATION OF MIXED EPOXY: Spread a thin layer of the mixed epoxy evenly on each of the surfaces to be joined and press together for 8 hours. Full strength will develop in 24 hours. To hasten curing, moderate heat may be applied.

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for Construction Chemicals and Materials



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CONSTRUCTION CHEMICALS * INSTITUTIONAL CHEMICALS * PREVENTIVE MAINTENANCE CHEMICALS

TECHNICAL DATA

**COMPONENT PROPERTIES
BEFORE MIXING**

MIX RATIO (Parts by volume)
COLOR (Appearance)
CONSISTENCY

**COMPONENT A
RESIN**

1.0
WHITE
PASTE

**COMPONENT B
HARDENER**

1.0
BLACK
PASTE

EPOXY BINDER (AFTER MIXING)

POT LIFE
SET TIME: INITIAL CURING
 FINAL CURING

TIME

90 minutes
4 hours
24 hours

TEMPERATURE

@ 27°C (80°F)
@ 27 °C (80°F)
@ 27 °C (80°F)

MECHANICAL PROPERTIES OF CURED STATE AT 27° C (80° F) FOR 24 HOURS

MECHANICAL PROPERTY

COMPRESSIVE STRENGTH
TENSILE STRENGTH
FLEXURAL STRENGTH
HARDNESS

SPECIFICATION

ASTM D 694
ASTM D 638
ASTM D 790
ASTM D 2240

RESULT

12,000 psi min.
9,000 psi min.
9,500 psi min.
86 SHORE D

CLEANING OF TOOLS

Tools and equipment should be cleaned immediately after use. Residual resin can be scraped off with solvents such as toluene, xylene and lacquer thinner.

SHELF LIFE AND STORAGE

One (1) year minimum in sealed container at 32°C (90°F) or below. Direct exposure to sunlight would shorten shelf life. Keep container tightly closed. Store in cool area.

SAFETY PRECAUTION

Skin contact may cause serious delayed dermatitis. Avoid inhalation of vapor. Provide proper ventilation. Prevent contact with skin. If contact occurs, wash immediately with soap and water. When eye contact occurs, flush immediately with water and call a physician.

PACKAGING

1 gal kit ; 5 gal kit
1 gal set; 5 gal set

RC CHEMICAL products are intended for industrial use only. Keep away from children. Observe product caution.