



Epoxy.com Product #705

Flexible Adhesive

DESCRIPTION:

Epoxy.com PRODUCT #705 Two Component Flexible Adhesive is a two component flexible adhesive, formulated to bond plastics to various substrates. **Epoxy.com PRODUCT #705** will adhere plastics to other plastics, concrete, steel, wood and masonry. **Epoxy.com PRODUCT #705** is thixotropic and is easily applied by serrated trowel.

ADVANTAGES:

- Tenacious bond to PVC and other plastics.
- Permanent flexibility, molecularly fixed, will not migrate.
- 100% solids, no flammable solvent
- Non-burning
- Retains properties at temperatures as high as 250° F (121° C) in intermittent exposure.

PHYSICAL PROPERTIES:

Gel Time @ 72° F (22.2° C) ± 2°	30 minutes minimum
Physical	
Tensile Strength @ 72° F (22.2° C) (ASTM D 638)	5,000 psi minimum (34.5 MPa)
Linear Coefficient of Shrinkage on cure (ASTM D 2566)	0.005
Compressive Strength (ASTM C 109 Modified)	11,000 + psi minimum (75.8 MPa)
Compressive Modulus (ASTM D 695)	200,000 + (1379 MPa)
Bond Strength (Slant Shear) (ASTM C 882-78)	
7 days	3,000 psi minimum (20.7 MPa)
2 day moist cure	1,000 psi + (6.9 MPa)
14 day moist cure	1,500 psi + (10.3 MPa)
Electrical	
Dielectric Strength, S/T	Volt per mil 440-465
Dielectric Constant	60 HZ 3.4 - 3.5 10 ⁶ HZ 3.3 - 3.4
Power Factor	60 HZ 0.006 - 0.007 10 ⁶ HZ 0.03 - 0.04

SURFACE PREPARATION: For best results, areas to receive the **Product #705** should be free of laitance, grease, oil, and any other contaminants that would inhibit bond. Sandblasting, waterblasting, or wire brushing, or dust free grinding for surface preparation are recommended.

MIXING:

Double Barrel Gun: With the use of static mixers in double barrel guns, no prior mixing is required.

Mixing: For large volume jobs to be mixed in 5 gallon pails or other suitable mixers where fillers such as Product #75 or other oven dry silica sands are used, for best results combine two parts by volume of Component "A" with one part by volume of Component "B" of **Product #705** in a clean pail, using a slow speed drill and an **Epoxy.com Mixing Paddle**. Mix for a minimum of three (3) minutes to a uniform consistency. To obtain a mortar, slowly add a maximum of one part by volume of **Product #75 Filler** while continuing to mix.

COVERAGE: When used neat, a 3 gallon unit of **Product #705** will cover approximately 80 square feet (7.4 m²) at a 20 mil thickness.

When used as a mortar, a 3 gallon unit of **Product #705**, mixed with 3 gallons by volume of **#75 Filler**, will yield approximately 1,050 cubic inches of mortar.

LIMITATIONS: **Product #705** should not be applied when surface temperatures are below 40° F (4.4° C). For best results, do not exceed one part by volume of **#75 Filler** to one part by volume of mixed **Product #705**.

CAUTION: WARNING! A Component contains epoxy resin. **DANGER!** B Component contains alkaline amines; strong sensitizer. May cause skin sensitization or other allergic responses. Use with good ventilation, particularly if it is heated or sprayed. Prevent all contact with skin and eyes. Wear protective clothing, goggles, gloves and/or barrier creams. Keep container closed when not in use. Wash thoroughly after handling.

FIRST AID: In case of skin contact, immediately wash with soap and water. In case of eye contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. If irritation persists, seek medical attention. Wash clothing before reuse.

FOR INDUSTRIAL USE ONLY KEEP AWAY FROM CHILDREN

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