



# Epoxy.com Product #706

## Heat Resistant Trowel Grade Epoxy

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### **DESCRIPTION**

Epoxy.com PRODUCT #706 HEAT RESISTANT TROWEL GRADE is a 100% solids, moisture insensitive epoxy adhesive and repair material. When A and B Components are mixed they produce a gel consistency similar to petroleum jelly, which will not sag or run on a vertical or overhead surface application.

### **USES**

Bonding Concrete, Ceramic, Wood, Steel and many other common building materials.

### **ADVANTAGES**

Epoxy.com Product #706 produces a high modulus, high strength adhesive that will bond to moist, wet or dry surfaces and may be feather-edged. The 1:1 mix ratio is convenient measure to prevent mistakes in mixing in the field. It may be used in temperatures of up to 400°F. Epoxy.com Product #706 exhibits superior resistance to heat aging at elevated temperatures when compared to ordinary room temperature cured epoxies.

### **PHYSICAL PROPERTIES**

Pot Life:	25 minutes
Open Time:	30 minutes depending on temperature and substrate.
Set Time:	3 Hours depending on temperature and substrate.
Compressive Strength (ASTM D 695)	
7 days 75°F +/- 2°F	10,375 psi
7 days 212°F +/- 5°F	11,250 psi
28 days 350°F +/- 5°F	8,000 psi
Tensile Strength (ASTM D 638)	5,000 psi min.
Bond Strength (ASTM D 1002)	2,500 psi min.
Exposure of epoxy film; as tested by Penniman & Browne, Inc.	
One (1) week	@ 300°F
One (1) week	@ 350°F
One (1) week	@ 400°F
Results:	No peeling or blistering

## **SURFACE PREPARATION**

For best results, areas to receive the **Epoxy.com Product #706** should be free of laitance, grease, oil and any other contaminants that would inhibit a bond. Wire brushing, waterblasting, or sandblasting of surface is recommended.

## **HOW TO USE**

Mix the **Epoxy.com Product #706** in a clean pail, using a slow-speed drill and an **Epoxy.com Mixing Paddle**. To obtain a mortar, add **Epoxy.com Product #81 Filler** slowly while continuing to mix.

Force cures must be used for enhancement of high temperature and chemical resistant properties or to allow the coating to be placed in service before 5 days. Allow the coating a post cure of 12 to 24 hours before force curing.

### **RECOMMENDED FORCE CURE SCHEDULE**

Minimum 4 hours @ 150°F

Minimum 6 hours @ 250°F

## **COVERAGE**

When used neat, a one (1) gallon unit of **PRODUCT #706** will cover approximately 32 sq. ft. at a 50 mil thickness. When used as mortar, a two (2) gallon unit **PRODUCT #706**, mixed with a maximum of two (2) gallons by volume of **Product #81 Filler**, will yield approximately 780 cu. in. of paste consistency epoxy adhesive.

**PACKAGING** **PRODUCT #706** is packaged in 2 gallon, 4 gallon and 110 gallon units.

**LIMITATIONS** **PRODUCT #706** should not be used when surface temperatures are below 40°F.

**Notes:**

## **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 material is heated or sprayed. Prevent all contact with skin or 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**

For more information please contact:

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