



# Epoxy.com Product #316

## Ultra Fast Setting Epoxy Flooring/ Mortar Resin

### DESCRIPTION

**Epoxy.com PRODUCT #316** is a 100 % solids fast setting two-component epoxy resin system. Epoxy.com PRODUCT #316 is made to set fast even in temperatures below freezing. It is recommended for flooring, injection or anchor-bolt grouting in the neat state or as a mortar when mixed with up to 3 parts of **Epoxy.com PRODUCT #75 Filler** (by volume). **Epoxy.com PRODUCT #316** exceeds most requirements of ASTM C-881-99, Types I and IV , Grade 1, Class A.

### ADVANTAGES

- ✚ Usable to 10°F on concrete
- ✚ Will cure at low temperatures.
- ✚ Does not shrink in curing.
- ✚ Abrasion and chemical resistant.
- ✚ Will produce structural properties within 24 hours.

### WHERE TO USE

- ✚ FLOORING - REPAIR AND COATING
- ✚ PRESSURE GROUTING DAMP OR DRY CRACK
- ✚ ANCHOR BOLT GROUT
- ✚ CONCRETE SEALER
- ✚ MORTAR FOR GROUTING BASE PLATES

### PHYSICAL PROPERTIES

Color	Mixed Epoxy – Straw	
Mixing Ratio	2A to 1B by volume	
Viscosity	4000 cps @ 40°F 1000 cps @ 70°F	
Pot Life	20 min. @ 40°F 5 min. @ 70°F	
Gel Time	25 min. @ 40°F 10 min. @ 70°F	
Shore D, Hardness	80	
Compressive Strength ASTM C 109 Modified	40°F (4°C)	70°F (21°C)
Neat Epoxy:	1 day 12,500 psi	13,500 psi
	7 days 13,000 psi	13,500 psi
	14 days 14,000 psi	14,000 psi
Filled: (3 1/4 parts filler)	1 day 5,000 psi	9,500 psi
	7 days 6,500 psi	9,500 psi
Tensile Strength ASTM D-638	1 day	8,000 psi

## **SURFACE PREPARATION**

All surfaces to receive **Product #316** must be free of dirt, grease, curing compound, liquid contaminants, heavy laitance and soft or deteriorated concrete. It's recommended that abrasive blasting, water blasting or acid etching with a 10% solution of commercial muriatic acid be utilized for surface preparation. Vacuum all areas prior to application to remove fine particles of cement or sand. Surface must be sound.

## **MIXING**

Combine two parts by volume of "A" Component with one part by volume of "B" Component (mixing ratio is 2:1). For best results, mix entire unit. The blend should be thoroughly mixed for at least two minutes with a low speed 1/2" electric drill and **Epoxy.com-Mixing Paddle**. If used as a mortar, introduce the **Epoxy.com PRODUCT #75 Filler** slowly while mixing to assure proper aggregate saturation.

## **APPLICATION**

Keep **Epoxy.com Product #316** warm where possible. This will facilitate mixing and application. No ice should be present when applying. Apply immediately after mixing. Fast setting be prepared to place. Do not waste time.

## **YIELD**

One (1) gallon (3.8 L) of **Product #316**, with 3 parts of **Epoxy.com PRODUCT #75 Filler**, provides approximately 645 cu. in. (1 x 10 cm ) of mortar.

## **LIMITATIONS**

Do not thin; solvents will prevent proper cure. Use only oven-dry aggregate to avoid encapsulation of moisture.

## **CAUTION**

**"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 eyes with copious amounts of water for at least fifteen (15) minutes. Remove contaminated clothing 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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