



Technical Data Information

**Epoxy Crack Repair Paste**

**A-7300**

**Description**

A-7300 Epoxy is a premium quality 2 part epoxy patching compound. It provides epoxy high build, maximum toughness, flexibility, excellent chemical resistance and is a quick drying paste.

**Uses**

A-7300 Series is designed to be used on concrete, metal, wood, masonry or where a tough yet flexible epoxy paste is required. Uses include patching surface cracks on concrete floors prior to application of Americrete's epoxy products or as a general purpose patch on concrete, block or wood to fill small voids before coating with other products.

**Advantages**

- Convenient 1:1 Mix Ratio
- Fast Setting Time
- High Build
- Chemical Resistant
- Flexible
- Very Durable
- Moisture Tolerant

**Inspection**

Surface must be structurally sound, dry and free of oil, grease, curing agents, dirt, dust or other foreign matter. Surface must be roughed up or porous.

**Preparation**

Prepare surface by sanding, grinding waterblasting, sandblasting or shot blasting to achieve a clean, porous and uniform surface that will allow product to soak in and bond permanently. Clean out cracks with a crack chaser (diamond blade). Chip out any loose or unstable material in the area to be filled. The most common reason for coating failure is due to lack of preparation. The surface must be porous or rough enough to allow the product to adhere.

**Primer**

Priming is not necessary for general purpose patching. When installed as part of an epoxy floor system it is best to prime first using the A-6300 Series epoxy primer. See A-6300 Series product information sheet for A-6300 Series application instructions.

**Coverage**

A-7300 epoxy is usually applied by hand and smoothed with a trowel. The coverage will vary depending on the thickness applied and the porosity and texture of the surface.

For lineal foot coverage per gallon, cross reference the crack depth with the crack width.

		Width			
		1/4"	3/8"	1/2"	
D E P T H	1/4"	308'	205'	154'	
	3/8"	-	136'	102'	
	1/2"	-	-	77'	

**Mixing**

In a clean and dry bucket thoroughly mix 1 part A and 1 part B together. Combine using an agitator, jiffy mixer or stir stick at low rpm. Mix slowly for at least 3-5 minutes or until completely combined. Only prepare the amount you can use in 1/2 hour. Containers come pre-measured in 1/2 gallon and 2 gallon kits.

**Adding Aggregate**

Silica sand (or other aggregates) may be added to enhance workability and increase the yield of the mix. Silica sand will also increase pot-life and depending on the size, effect the texture and your ability to feather the patching compound. Depending on the size and amount of aggregate you add, you will also increase the tensile and compressive strength and hardness while decreasing the elongation of the product.

**Application:**

A trowel or putty knife is the best way to apply the epoxy into the crack or void you are attempting to fill. If the area is going to be coated with a thin film coating such as epoxies you may wish to slightly overfill the area then sand it flush the next day to match the texture of the existing surface. Silica sand may be broadcasted into the epoxy to add texture and act as a binder for subsequent coats of material.

**Drying Time**

You may re-apply additional A-7300 paste or most any other epoxy system as soon as the product has hardened (usually 4-8 hours). Light foot traffic permitted in 12 hours, normal in 24 hours, light vehicle in 48 hours. Heavy vehicular traffic permitted after 72 hours. All times are based on average temperature of 70 degrees and 50% humidity. Cooler temperature will increase drying time.

**Temperature/Weather**

Do not install this product below 50 degrees and do not allow water to come into contact until it has cured for 24 hours.

For interior use only unless protected by another product with a UV inhibitor such as our aliphatic urethane or comparable top coat. Product will not bond to concrete if not properly prepared.

**Limitations**

**Technical Data:**

Test Type	PASTE
Viscosity (ASTM D-445-83, Brookfield, TVTD, Spindle 4)	7500-10,000
Gel Time (100 g mass/mms) – Techne GT-4 Gelation Timer	35
Tensile Strength (psi) – ASTM D 638-86	1490
Modulus (psi) – ASTM D 695-85	32,500
Tensile Elongation % - ASTM D 638-86	45
Shore D Hardness – ASTM D 2240-86	45
Thin Film Set Timers, hrs (70°F) – BK Drying Recorder	7 hr.