Polytek® Development Corp.
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TECHNICAL DATA SHEET | CONCRETE EPOXY FLOOR PATCH PASTE

DESCRIPTION: Polytek's Floor Patch Paste is a premium quality, 2-part epoxy, patching compound. It provides epoxy high build, maximum toughness, flexibility, excellent chemical resistance in a quick-drying paste.

USES: Polytek's Floor Patch Paste 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 before application of many Polytek Flooring 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

Physical Properties	
Mix Ratio	1:1
Shore D Hardness	45D
Color	Grey
Mixed Viscosity (cps)	7,500-10,000
Coverage	Varies by Application
Work Time	25-30 minutes
Recoat Time	Immediately After Application
Dry Time	4-6 hours
Light Foot Traffic	12 hours
Light Vehicle Traffic	24 hours
Full Cure	48 hours
VOCs	0 g/l
Tensile Strength	1,490 psi

*All values measured after 24 hours at 73°F/23°C. ^Demold time varies with the thickness of the casting.

COVERAGE: Varies by application.

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

SURFACE PREPARATION: Prepare surface by sanding, grinding, water blasting, sandblasting, or shot blasting to achieve a clean, porous and uniform surface that will allow the 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.

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

		WIDTH		
		¼"	3/8"	½"
DEPTH	¼"	308'	205'	154'
	3/8"	-	136'	102'
	½"	-	-	77'

MIXING INFORMATION: 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 ½ hour. Containers come pre-measured in ½ 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 the pot life and depending on the size, effect, texture, and 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 an additional 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 is permitted after 72 hours. All times are based on an average temperature of 70 degrees and 50% humidity. The 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.

LIMITATIONS:

- Do not apply at temperatures below 50°F or above 95°F
- Do not let the mixed product sit in a bucket for a prolonged period or it will become hot and unstable
- Do not apply over concrete with Moisture Vapor Emissions above 4.5lbs/1000 sq. ft/24hr
- For interior use only unless protected by a pigmented UV resistant coating
- Concrete must be cured for a minimum of 28 days
- Shelf life of this material is 1 year from the date of manufacture (see a batch number for manufactured date).

CLEAN UP: Uncured material can be removed with a solvent. Cured material can only be removed mechanically. All empty containers must be disposed of according to local, state, and federal regulations.

SAFETY HANDLING: Wear protective gloves, clothing, and eye/face protection. Use only outdoors or in a well-ventilated area. Avoid contact with the skin and eyes. Avoid breathing dust, fumes, gas mist, vapors, and spray. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse. These products may cause skin and respiratory allergic reactions. Consult product Safety Data Sheets for complete precautions for use of this product.

DISCLAIMER: The information contained herein is considered accurate; however, Polytek® Development Corp. makes no warranty regarding its accuracy. The user must determine the suitability of the product for the intended use and accepts all risk and liability associated with that use. For further details, review our standard Terms & Conditions of Sale.