



EPOXY COAT
DURABLE RESINS & HARDENERS

EC-72 Epoxy Patch Gel

Description

EC-72 Epoxy Patch Gel is a high viscosity, two-component, 100% solids epoxy patching compound. It provides high-build, maximum toughness and excellent chemical resistance in a quick-drying gel form.

Uses

EC-72 is designed for use on concrete, metal, wood, masonry or wherever a tough epoxy patch is required. Uses include: patching surface cracks on concrete floors prior to application of a floor coating or as a general purpose patch on concrete, block or wood to fill small voids before coating with other products.

Advantages

- Convenient Mixing • Fast Setting • High Build • Chemical Resistant • Excellent Durability • Moisture Tolerant
- Semi-Rigid • A Side is Black; B Side is Light Gray

Product Data			
Packaging	1/2 gal & 2 gal kits available	Color	Black & Light Gray - Mixed to Gray
Coverages	~Varies: 1/2 gallon will fill a 1/4" x 1/4" crack approximately 150 feet in length	Mix Ratio	1:1 (By Volume)
VOC Content	0 gm/l	Shelf Life	2 years in unopened packaging

Inspection

Prepare concrete to a profile equal to CSP 3 as specified by ICRI. Surface must be structurally sound, dry and free of oil, grease, curing agents, dirt, dust or other foreign material that may prevent proper adhesion.

Preparation

Over concrete: Shotblasting is the preferred method for preparing concrete when applying epoxy and urethane coatings. When using other methods, prepare the surface so that the product will soak in and properly bond.

Note: The most common cause of unsuccessful application is a lack of surface preparation.

Moisture

All concrete should be tested for moisture before applying a seamless coating. If moisture emissions exceed 5 lbs/1000 square feet (ASTM F1869) or if the relative humidity (RH) exceeds 75% (ASTM F2170), contact the manufacturer before application.

Mixing

In a clean and dry bucket thoroughly mix 1 part A and 1 part B, by volume of EC-72. Combine using a mechanical mixer at low rpm or stir stick. Mix slowly for at least 3-5 minutes or until completely combined. Only prepare the amount you can use in 20 minutes at 70°F.

DISCLAIMER: PURCHASER'S SOLE AND EXCLUSIVE REMEDY AGAINST THE MANUFACTURER OF WESTCOAT, SHALL BE LIMITED SOLELY TO THE REPLACEMENT OF ANY DEFECTIVE MATERIAL OR A PAYMENT BY THE MANUFACTURER IN AN AMOUNT EQUAL TO THE COST OF THE ORIGINAL MATERIAL.



westcoat[®]
SPECIALTY COATING SYSTEMS

**PRODUCT
SPECIFICATION**

EC

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Thinning

Thinning is not recommended.

Adding Aggregate

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

Coverage

The coverage will vary depending on the thickness applied, and the porosity and texture of the surface. For example, a ½ gallon kit will fill a ¼ x ¼ inch crack or joint approximately 150 feet in length.

Applying Product

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 will be coated with a thin-film coating, 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 broadcast into the epoxy to add texture and act as a binder for subsequent coats of material.

Dry Time

You may reapply additional EC-72 as soon as the product has hardened, usually 2-4 hours. Light foot traffic may be permitted in 12 hours, normal foot traffic in 24 hours and light vehicle traffic in 48 hours. Heavy vehicle traffic should not be permitted for 72 hours.

Clean Up

Uncured material can be removed with a solvent. Cured material can only be removed mechanically or with an environmentally-safe solvent.

Health Precautions

Inhalation of vapor or mist can cause headache, nausea irritation of nose, throat and lungs. Avoid breathing vapors. It is strongly recommended that respirators are worn. Prolonged or repeated skin contact can cause slight skin irritation. All epoxies have the potential of causing skin irritations or allergic reactions. Be careful not to get on skin, clothes or in eyes. Gloves are strongly recommended. If splashed in the eye, flush with warm water and contact a physician if blurring persists. Solvent based products are extremely flammable. Extinguish all pilot lights and sources of ignition such as electrical motors. Be sure to have adequate cross ventilation prior to installing.

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Limitations

- This product is designed for professional use only.
- Be sure to measure and mix properly. Be aware of the pot life of mixed epoxy.
- Do not apply in temperatures below 50°F or above 90°F. Hot or cold weather may effect dry times.
- Solvents may be required in cooler weather to lower viscosity and increase coverage of 100% solids.
- Please check with local laws governing the use of solvents.
- Do not allow Westcoat products to freeze.

Technical Data

EC-72

Physical Properties

Weight/gal (mix)	10.2
Gloss @60 Degree	30
Solids %/wt (mix)	100
Solids %/vol (mix)	100
Viscosity cPs (mix)	-
Viscosity KU (mix)	-
VOC gm/l (mix)	0
Shelf Life	2 years
Color (gardner)	-

Technical Data

Tack Free over concrete @72°F	1.5 hr.
Foot Traffic over concrete @72°F	4.0 hr.
Foot Traffic -sealed surface- @72°F	-
Wheel Traffic	72 hr.
Pot Life (Gel Time) 150gm @72°F	15-20 min.
Heat Resistance (constant)	130°F
Heat Resistance (intermittent)	180°F
Adhesion on steel ASTM D3359	5
Adhesion on concrete ASTM D3359	5
Tensile Strength (ASTM D638)	6,500 psi
Tensile Elongation (ASTM D638)	15%
Compressive Strength (ASTM D695)	12,000 psi
Hardness Shore D (ASTM D2240)	55
Hardness Shore A (ASTM D2240)	90
Reducer/Clean Up	Acetone or PCBTF

Key:

- 5 = Best (no effect)
- 4 = Softens (recovers)
- 3 = Softens (no recovery)
- 2 = Blistered (no recovery)
- 1 = Worst Destroyed
- s = With Stain
- * Contact time > 5hrs = 1

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