



**EC**

**EPOXY COAT**  
DURABLE RESINS & HARDENERS

**EC-72 Epoxy Patch Gel      Fast Cure**

**Description**

EC-72 Epoxy Patch Gel high viscosity is a two-component, 100% solids epoxy patching compounds. It provides high-build, maximum toughness, excellent chemical resistance, and flexibility 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.

- Convenient Mixing
- Fast Setting
- High Build
- Chemical Resistant
- Excellent Durability
- Moisture Tolerant
- Semi-Rigid
- A Side is Black, B Side is White

**Packaging**

½ and 2 gallon kits

**Advantages**

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**INSPECTION / PREPARATION**

**Inspection**

Surface must be structurally sound, dry, and free of oil, grease, curing agents, dirt, dust or other foreign material that may prevent proper adhesion. Surface must be roughed up or porous. Surface should feel like 30-50 grit sandpaper and be porous enough to absorb the epoxy.

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

**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.

**Moisture**

All concrete should be tested for moisture before applying a seamless coating. Water vapor transmission upwards through on-grade concrete slabs may result in loosening of epoxy floors or improper curing of epoxy materials. If moisture emissions exceed 3 lbs./1000 sq ft. contact the manufacturer before application.

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**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.

**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.

**Thinning**

Thinning is not recommended.

**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, and light vehicle in 48. Heavy vehicle traffic should not be permitted for 72 hours.

**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.

**Clean Up**

Uncured material can be removed with solvent. If cured, material can only be removed mechanically or with an environmentally-safe solvent.

**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 long.

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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.
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## 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.

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## 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.

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### EC-72

#### Physical Properties

Weight/gal (mix)	10.2
Gloss @60 Degree	30
Solids %/wt (mix)	100
Solids %/vol (mix)	100
Viscosity cPs (mix)	NA
Viscosity KU (mix)	NA
VOC gm/l (mix)	0
Shelf Life	1 year
Color (gardner)	NA

#### 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	NA
Wheel Traffic	72 hr.
Pot Life (Gel Time) 150gm @72°F	.25 hr.
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)	1,500 psi
Tensile Elongation (ASTM D638)	55%
Compressive Strength (ASTM D695)	15,500 psi
Hardness Shore D (ASTM D2240)	60
Reducer/Clean Up	Acetone or PCBTF



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