



**EPOXY COAT**  
DURABLE RESINS & HARDENERS

# EC-11 Water-Based Epoxy

**Description**

EC-11 Water-Based Epoxy is a premium quality two-component, chemical resistant, long pot life epoxy coating. It provides epoxy toughness, medium gloss and durability with the convenience of a water-based system.

- Medium Gloss
- Very Durable
- Easy to Use
- Very Fast Drying
- No Induction Time

**Uses**

EC-11 is designed to be used on concrete, metal, masonry or wood where a tough, chemical resistant finish is needed. EC-11 is recommended for use as a concrete sealer or as a seal coat over Texture Crete Systems. Used on industrial floors in factories, restaurant kitchens, schools, hospitals, food processing, garage floors, dairies, and warehouses. When thinned, this product works well as a primer under most other systems.

**Packaging**

1 1/2 gallon kits

**Color**

- |               |               |
|---------------|---------------|
| Lawn Green    | Sand          |
| Pewter Gray   | Slate Blue    |
| Rocky Nook    | Deep Tan      |
| Tile Red      | Travatan      |
| Cape Cod Gray | Stone Gray    |
| Spanish Brown | Concrete Gray |
| Omaha Tan     | Mission Red   |
| Sandy Beige   | Arizona Tan   |
| Clear         | Black         |
| White         |               |

**Advantages**

- Water-Based
- Moisture Tolerant
- Long Pot Life
- Chemical Resistant
- USDA Compliant

## 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 rough or porous.

**Preparation**

Surface must be properly prepared and primed as specified for system being installed, please read individual System Specification Sheet for details.

## APPLICATION

**Mixing**

Premix each component separately. For color consistency, box all part A's. In a clean bucket, mix 2 parts A with 1 part B, by volume of EC-11. Mix thoroughly with a low speed (400-600 rpm) drill motor for 3-4 minutes. Make sure to scrape the sides and bottom of the container during mixing. After mixing is completed, remove material from container within 5 minutes, as epoxy will begin to generate heat. Spread immediately onto the floor, as product is spread out you will have longer working time (10-15 minutes at 70 degrees).

**Applying Product**

As a primer, spray or squeegee and backroll thinned EC-11 onto the surface. Primer coat should be applied evenly and worked into the surface to help seal and avoid pinholes. When thinned, apply EC-11 at a maximum of 5 mils, do not allow material to puddle.

**Thinning**

Thin with water, up to 50%, amount will vary depending on use.

As a coating or sealer, apply EC-11 within 24 hours after the primer coat. Immediately after mixing, spread a strip of material onto the surface along the edges where it will be "cut in" using a brush. Pour the remaining material near the "cut in" area and spread evenly using a trowel or squeegee and back roll using a 1/4 inch nap non-shedding roller. Depending on the look, thickness, chemical, and abrasion resistance desired, 1 to 2 coats may be applied.

**Coverage**

Will vary depending on the mil thickness applied and the porosity and texture of the surface.  
As a primer: 300 to 600 sq. ft. per gallon  
As a coating: 200-350 sq. ft. per gallon.  
As a sealer: 300-600 sq.ft per gallon

**Dry Time**

You may re-coat as soon as the surface is dry to the touch 1 to 4 hours, but no later than 24 hours. Light foot traffic may be permitted in 6 hours, normal traffic in 24 hours and vehicle traffic in 72 hours. All times are based on average temperature of 70°F and 50% humidity. Cooler temperatures will increase drying time.

## Clean Up

Uncured material should be removed with soap and warm water. Cured material should be removed mechanically, or with an environmentally-safe solvent.

## LIMITATIONS

- This product is designed for professional use only.
- Be sure to do adequate surface preparation.
- 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.
- Skid resistant additives are available.
- For interior use as a primer or topcoat. Exterior use as a primer if sheltered from UV.
- Do not allow water to come into contact until the epoxy has cured for a minimum of 24 hours.
- Do not allow Westcoat products to freeze.

## HEALTH PRECAUTIONS

Inhalation of vapor or mist can cause headache, nausea irritation of nose, throat, and lungs. Prolonged or repeated skin contact can cause slight skin irritation.

Be careful not to get on skin, clothes or in eyes. Glove and respirators are strongly recommended. Avoid breathing vapors. If splashed in the eye, flush with warm water and contact a physician if blurring persists.

## 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.

### Physical Properties

Chemical Composition	Waterborne Solid Epoxy Resin Dispersion	
	Clear	Pigmented
Weight/gal (mix)	9.0	10.1
Gloss @60 Degree	68	39
Solids %/wt (mix)	49	60
Solids %/vol (mix)	43	49
Viscosity cPs (mix)	223	400
Viscosity KU (mix)	53	63
VOC gm/l (mix)	3.1	5.4
Shelf Life	1 year	1 year
Color (gardner)	NA	NA

### Technical Data

	Clear	Pigmented
Tack Free over concrete @72°F	1 hr.	.25 hr.
Foot Traffic over concrete @72°F	2 hr.	1.5 hr.
Foot Traffic -sealed surface- @72°F	5 hr.	3.25 hr.
Wheel Traffic	72 hr.	72 hr.
Pot Life (Gel Time) 150gm @72°F	1-1.5 hr	1-1.5 hr
Heat Resistance (constant)	180°F	180°F
Heat Resistance (intermittent)	220°F	220°F
Adhesion on steel ASTM D3359	5	5
Adhesion on concrete ASTM D3359	4	5
Impact Resistance in-lbs direct/reverse	50/4	50/4
Hardness Shore D (ASTM D2240)	79	79
Pencil Hardness	2H	2H
Reducer/Clean Up	Warm Soapy Water	
1/4 in mandrel bend	180°	180°

### Chemical Resistance

	Clear & Pigmented
Muratic Acid (31.5% HCL)	2
Sulfuric Acid (50% H2SO4)	4
Sulfuric Acid (93% H2SO4)	1
Nitric Acid (10% HNO3)	2
Sodium Hydroxide (50% NaOH)	5
Bleach (sodium hypochlorite)	5
Vinegar (3-5% acetic acid)	2
Transmission Fluid	5
Gasoline	5
Brake Fluid	5
409 Surface Cleaner	5
Pine Sol Solution	5
Blood & Body Fluids	5
Iodine Solution	5
Mustard	5/5s
Ketchup	5/5
Red Wine	5/5
Acetone	4
Methyl Ethyl Ketone (MEK)	5
Xylene	5
Ethanol	5
Methanol	5

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

