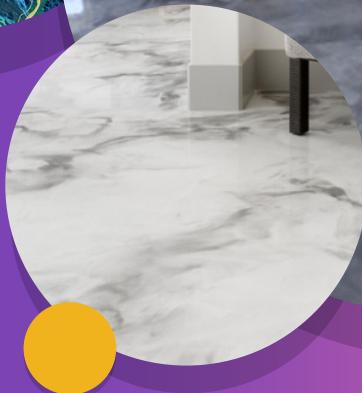


# EPOXY EFFECTS

## FLOOR RESIN SYSTEM



### ADVANTAGES

- Excellent UV Protection
- 100% VOC FREE
- Virtually Odourless
- Self-Degassing
- Self-leveling
- Crystal Clear
- Antibacterial
- Scratch-Resistant

### RECOMMENDED USE

- Decorative Flooring, 3D Flooring Sticker Embedment, Coating, Tints, Mica Powder & Pigmented Designs

### PRODUCT DESCRIPTION

#### EPOXY EFFECTS FLOOR EPOXY RESIN SYSTEM

Our two-component Internal Epoxy Floor system is 100% VOC-free, 100% solid, antibacterial and odour free.

Specially formulated for Excellent UV Protection, water resistance, chemical resistance, scratch resistance, long pot life and working time.

Designed for ease of use our 2 to 1 mix ratio system can be mixed with a variety of tints, pigments and mica powders to create stunning floors as well as be laid clear to create penny flooring, other embeddment flooring or any other project you can imagine.

Recommended to be poured 1-3mm deep.

Thanks to Macromolecule antioxidants added to our resin it helps stop the process of yellowing creating Excellent UV protection.

# HOW TO USE

## BEFORE YOU BEGIN

It is important to read through the following information carefully to ensure the correct preparation and application of the resin to achieve a professional quality finish.

### REMOVE FLOOR PAINT, IF NECESSARY

Epoxy coating will not work properly if it is applied over polyurethane or latex floor paints. If your floor is covered in one of these materials, you will need to strip your floor before you can begin.

You need to make sure that any floor contaminants are removed before the application of the epoxy floor coating. We would recommend using a primer.

For best results you need a clean, dry floor without debris, moisture, cracks or holes.

## SURFACE PREPARATION

The success of the epoxy application depends on how well it can adhere to the surface. The strength of the bond relies on the epoxy resin's ability to key into the surface. The following steps are crucial to primary and secondary bonding.

For best results make sure surface has been cleaned thoroughly, dried and sanded.

### STEP 1 – CLEAN SURFACE

All surfaces must be cleaned and mechanically sanded or diamond grinded. All oils, sealers, curing agents and waxes must be removed prior to laying epoxy.

Clean up any remaining debris using an industrial strength vacuum to thoroughly suck up dust and dirt.

All cracks, chips and other damage to the concrete will need to be repaired.

Recommend Epoxy Effects Mortar.

### STEP 2 – PRIME SURFACE

Epoxy Effect Primer are formulated to penetrate deeper into the pores of the substrate in order to achieve a better mechanical bond. On a clean floor you can use clear epoxy coating as a primer.

1.The primer is applied just like paint using a nap roller begin in the back corner of the room and work your way toward the exit.

2.Dip your roller into the bucket and spread a thin layer of epoxy primer onto your floor, avoid letting the roller get too dry.

It can help to use an extension handle on your roller.

Allow primer to completely dry before applying epoxy topcoat.

### STEP 3 - APPLYING THE EPOXY TOPCOAT

Spread Epoxy in a thin layer, using a squeegee rake and pass with a roller to obtain a uniform coat. Avoid creating puddling and the work life is extended to approximately 40 minutes.

Recommended pour depth 1-3mm.

### SEAL COAT - OPTIONAL

We recommended you apply a second coat clear to seal your floor this creates a protective layer for your topcoat design.

## PERSONAL PROTECTION

Whenever handling & pouring resin.

You should wear appropriate eye protection and gloves

(see detailed Safety Data Sheet for more information.)

# HOW TO MEASURE & MIX

## MEASURING

It is essential that the product be measured accurately and thoroughly.

Measure 2 part RESIN to 1 Part HARDENER.

We recommend pouring the HARDENDER into your mixing container first, followed by RESIN. This will help the two components mix more thoroughly.

## MIXING RATIO:

### By Weight

100 RESIN: 50 HARDENER

### By Volume

100 RESIN: 57 HARDENER

The mixing ratio must be accurately followed to ensure the resin cures correctly, failure to do so will result in poor or only partially cured resin.

The mixing container should be larger than the quantity of product you are mixing to avoid spillage.

## MIXING INSTRUCTIONS

Materials should be pre-conditioned to a minimum of 15°C prior to use.

Mixing of the product can be done by hand with a clean stir stick or in larger quantities with a paddle mixer, the more product you are mixing the longer it will take to achieve a uniform and complete mix between resin & hardener.

Mechanically premix both Part A & Part B components individually for approx.. 1 minute. Then mix combined compound with a mechanical mixer at 400-600 rpm for 3 to 5 minutes. While mixing, scrape bottom and walls of container at least once to ensure a homogeneous mix.

Only prepare quantity that may be applied during pot life of mixture.

Our resin can be tinted with the addition of mica pigments, solid and translucent liquid pigments.

## CLEANUP

Wash hands and skin with warm soapy water. Cleanup uncured material and tools with acetone or denatured alcohol. DO NOT use solvents to clean epoxy from skin.

## CURING TIME

After applying the final coat, the area should be kept clean and, in a relatively dust-free environment, try to limit airborne dust particles. Our Floor Resin System will take 12 to 48 hours to cure at 25°C. Full hardness takes approximately 7 days . However you should allow at least 24 hours before use.

At temperatures below 25°C, the product will take longer to cure.

At temperatures above 25°C, the product will take less time to cure.

We recommend only light traffic until product reaches full hardness.

## Other Products Available:

### Mica Powders, Pigments & Tints:

We have a range of pigments compatible with our full epoxy range on our website

### Epoxy Effects CounterTop Resin Kits:

Our two-component 1:1 CounterTop Epoxy system is designed to deliver an advanced level of shine, clarity and depth and locks in optical qualities of natural wood and art. Used in a variety of applications such as : Counter Tops, Bar Tops , Furniture, Art Work and other applications requiring a strong, durable plastic coating.

Crystal-clear, Excellent UV resistance, Self-Leveling, Self-Degassing, 100% VOC-free, 100% solid, Virtually Odourless and Heat Resistant up to 120°C .

### Epoxy Effects Deep Pour Kits:

Our two-component 3:1 Deep Pour Casting system is Crystal Clear, UV resistant, High Strength & Hardness.

### Epoxy Effects UVR Resin Bound / Bonded Kits:

Epoxy Effects UVR two-component polyurethane resin is used to create seamless decorative stone driveways & pathways. Some of the benefits of our UVR polyurethane resin are: UV resistant, SUDS Compliant, Weed Resistant, Slip Resistant, Frost Resistant, Seamless & Puddle Free.

### Epoxy Effects Infinity Floor Kits:

Here at Epoxy Effects we have designed our Infinity Internal Floor Range with some of the finest crushed stone including Marbles, Granites & Quartz.

Our full kit allows you to have all the advantages of our Epoxy Effects UVR Resin Bound / Bonded Kits with our seal coat to create a fine sand like floor with high gloss and shine. Once seal coat is applied and cured the floor is 100% Food Safe, UV Resistant, Scratch Resistant & Heat resistant up to 120°C.

### Stone Aggregates:

We have a range of Dried Stone Aggregates used to create seamless decorative driveways & Pathways. Our aggregate range have been tested & verified with our UVR polyurethane resin.

### Tools & Accessories:

Here at Epoxy Effects we strive to become a one stop shop for everything resin and our Tooling & Accessories Range is growing every day. Here you can find everything you need to complete your project start to finish.

### Disclaimer:

The details given in this specification are intended only as a guide. Actual details should be developed by project taking into account the specific circumstances of the intended application. Epoxy Effects Co. Ltd assumes no responsibility for improper reliance or misuse of the data herein. Product design and specification are subject to change with future notice.