

# PermaCOAT Epoxy Crack Filler



## Description

PermaCOAT Epoxy Crack Filler is a two component, solvent free and high strength epoxy resin filler, suitable for manual pouring into horizontal cracks, pinholes and surface defects in concrete floors.

Suitable for sealing cracks ranging from fine and pinhole, up to 20mm in depth, PermaCOAT Epoxy Crack Filler is the ideal solution for DIY projects, with fast and efficient application. It's easy to achieve a smooth and consistent finish in preparation for PermaCOAT Epoxy Coatings. The product has an excellent bond strength, is non-shrink and allows for easy pouring into thin cracks and pinholes with its low viscosity.

PermaCOAT Epoxy Crack Filler is suitable for a wide range of installations, from garage and warehouse floor preparation to external step and general concrete repair.

Typical applications include:

- Surface filling for epoxy coatings
- Small hole repair
- Step repair
- External concrete repair

## Benefits

- Exceptional physical properties and mechanical strength
- High bond strength to concrete substrates
- No shrinkage
- Pourable and easy to apply
- Water impermeable
- Good chemical resistance
- For use in damp or dry conditions
- Low VOC's and solvent free
- Possible to stand and apply with squeegee – no kneeling

## Preparation

Substrates to be treated should be dry and free from oil, grease, dust, dirt and biological growth (moss or algae). Any contaminated substrates should be cleaned in conjunction with BS8221-1:2012, "Code of practice for cleaning and surface repair of buildings - Cleaning of natural stones, brick, terracotta and concrete". It is important when cleaning the substrate not to use detergents as these can interfere with the initial bond.

Concrete surfaces must be suitably prepared by wire brush, if the crack is wide enough. All cracks should be cleaned with compressed air or vacuumed, to remove friable and loose material.

## Mixing

PermaCOAT Epoxy Crack Filler comprises of two components, a resin base and a hardener which are pre-weighed to the correct proportions. Do not part mix batches. Ensure that the bottom and sides are thoroughly scraped; transfer the entire contents of the hardener container into the resin container. Using a mixer attached to a slow speed electric drill, mix for approximately 2 minutes until a uniform consistency is achieved.

The resin mixture should then be transferred to a separate container that's suitable for pouring, ideally with a pourable lip.

## Application

PermaCOAT Epoxy Crack Filler should be applied soon after mixing is complete. Pour the resin in a slow, consistent manner until any larger cracks or voids are evenly filled. In the case of finer cracks and pinholes, it's advisable to pour the resin over the defects and then spread and level the material using a squeegee. Voids deeper than 2cm can be built up in layers.

## Technical Information

<b>Pack size</b>	1.7kg / 1L
<b>Colour</b>	Grey
<b>Coverage</b>	1.7kg = Max. 10m in a 10mm x 10mm crack
<b>Pot life</b>	60 mins
<b>Compressive strength BS 6319-2</b>	$\geq 30 \text{ N/mm}^2$ @ 7 days
<b>Overcoat time</b>	12hrs
<b>Light traffic</b>	24hrs
<b>Heavy traffic</b>	72hrs
<b>Full chemical cure</b>	7 days
<b>Storage</b>	Keep out of direct sunlight. Store above 10°C
<b>Shelf life</b>	24 months

## Health & Safety

PermaCOAT Epoxy Crack Filler is formulated from materials designed to achieve the highest level of performance as safely as possible.

However, specific components require proper handling and suitable equipment, this information is given in the relevant safety data sheets. In all cases, spillages or skin contamination should be cleaned as soon as practically possible, by dry wiping of the affected area, and thorough washing with soap and water. For further information please see the latest safety data sheet.

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