

Ressi EPO Crack Fill is a three-part system designed to fill hairline and thick cracks up to 6mm in concrete floors in a single layer. This is an impact resistant epoxy crack filler can be applied from feather edged trowel at a thickness of several inches in multiple layers.

ADVANTAGES

- ✓ Easy to apply and cleanup.
- ✓ Triple the strength of concrete.
- ✓ Flexible and resilient.
- ✓ Cures to dense joint free surface.
- ✓ Good chemical resistance.

AREAS OF APPLICATION

Ressi EPO Crack fill is an ideal Crack filler for the repair of concrete floors, floor joint repairs, levelling rough surfaces prior to the application of epoxy flooring and crack repair of general cementitious floorings.

SURFACE PREPARATION

All loose particles and oil should be cleaned off the surface prior to the application. Minor hairline cracks need to be opened to a minimum width of 4mm prior to treating the floor surface with Ressi EPO Crack Filler.

APPLICATION & MIXING

It is Recommended to slowly add Part B over Part A (Resin over hardener). And mix it with a slow speed drill mix for at least 2 minutes. It is to be ensured that the speed of the drill mix should not exceed 400 rpm. After the base and hardener have mixed properly, filler can be added as per requirement. It is to be noted that the amount of filler can be adjusted as per the requirement of the site. Higher the quantity of the filler, more viscous the material. Once the material is mixed properly, depending upon the viscosity, it can either be poured into the crack or applied by using an appropriate trowel or scrapper over the cracked surface.

TECHNICAL PROPERTIES

Chemical / Type	Three-part System: Part A: Resin Part B: Hardener Part C: Filler
Pot Life @ 20°C	30 minutes
Color	Natural Grey (After Mixing)
Mix Ratio	1 Part Resin (Part A) 0.8 Part Hardener (Part B) 20 Parts Filler (Part C)
Compressive Strength	8,000 PSI to 14,000 PSI (Depending on filler ratio)
Tensile Strength	1850 PSI to 2450 PSI (Depending on filler ratio)
Tensile elongation	10% to 18% (Depending on filler ratio)
Cure Time	8 Hours
Ultimate Cure	4 Days

Typical Properties under laboratory conditions

SHELF LIFE

Ressi EPO Crack Fill has a shelf life of 6 months if stored under dry and cool conditions.

PACKAGING

Ressi EPO Crack Fill is supplied in the following packaging

2.18KG: Part A 100g (Liquid Resin)
Part B 80g (Liquid Hardener)
Part C 2 KG (Filler Powder)

21.8KG: Part A 1KG (Liquid Resin)
Part B 800g (Liquid Hardener)
Part C 20KG (Filler powder)

HEALTH AND SAFETY

The packed material of Ressi EPO Crack Fill is regarded as non-hazardous for transportation. Once opened extreme temperatures may cause the material to be flammable. Do not reuse bags, containers, and packaging materials. It is recommended to dispose off the packaging as per local rules and regulations. Gloves and suitable masks can be worn during application. Please refer to MSDS of the product for further health and safety information.