



Quick-Fix 450

Polyurea Joint Filler/Repair Polymer

DESCRIPTION:

ENDURIT Quick-Fix 450 is a fast setting, 2 component, solvent free, 100% solids Polyurethane/Polyurea hybrid based polymer used to repair concrete floors and fill control and construction joints. Quick-Fix 450 has the ability to be ground or shaved immediately after application to provide a flush flooring surface. Due to its low viscosity, it will penetrate well into smaller cracks. It dries fast and the application area can be open to traffic within 60 minutes.

FEATURES AND BENEFITS:

- Tack free time is under 3 minutes.
- It can be used in Heavy Duty Traffic areas.
- Grind or Shave in 20 minutes.
- Will cure in low temperatures.
- There are no Volatile Organic Compounds.
- Can be open to full Traffic in 60 minutes.

AREAS OF APPLICATION:

ENDURIT Quick-Fix 450 is used to repair non moving cracks and surfaces spalls/pop-outs and other surface defects at wheeled and heavy traffic areas. Quick-Fix 450 can be used to fill construction and control joint on Industrial, commercial and freezer floors. Consult BESSRN if Quick-Fix 450 is to be used as an expansion joint filler.

PRODUCT PROPERTIES:

Number of Components:	2	
Pot Life (100gr @23°C):	Gel Time	1 minute
	Traffic Ready	60 minutes
Shore A Hardness:	85	
Tensile Strength, psi	1650	
Tear, pli	390	
Elongation, %	450	
Mixing Ratio:	1:1 (by volume)	
Color:	Standard Grey, other colors available	
Solids:	100%	

APPLICATION:

Surface Preparation: The joint must be clean and dry. All oil, dirt, debris, paint and any other material that may be a bond breaker must be removed. The final cleaning step should be the complete removal of all residue by vacuum cleaner. All joint facings must possess an open surface texture with all curing compounds and

sealers removed. If the Quick-Fix 450 will be used for filling floor cracks, the cracks should be chased and routed out and cleaned before filling. Ideally, all edges should be squared.

Joint Backing: It is recommended that the full depth of the joint or crack be filled with Quick-Fix 450 for proper load transfer. Avoid the use of backer rod, sand or other fill material for the purpose of reducing volume.

Priming: **ENDURIT Quick-Fix 450** does not require priming before application.

Mixing: Due to its extremely fast set time, **ENDURIT Quick-Fix 450** requires machine mixing and placing. Pre-mix Part B before dispensing. **Quick-Fix 450 cartridges should be shaken well before using.** It is best to have the Quick-Fix 450 preconditioned to 70-80 °F (21-27°C) prior to use for best results. All dispensing requires the use of a static mixer. If dispensing is delayed for more than 30 seconds, a new static mix head will need to be used.

Placement: It is recommended that **ENDURIT Quick-Fix 450** is placed at s full depth. Joints should be overfilled and shaved or ground even with the surrounding joint edge giving floor joints a flat, smooth appearance. Shaving or grinding of excess Quick-Fix 450 can begin approximately 30 minutes after placement, and up to 24 hours later, depending on jobsite conditions.

PACKAGING:

ENDURIT Quick-Fix 450 is packaged in two-component A+B Units: 600ml dual cartridges, 10 and 100 gallon kits. 10 and 100 gallon kits are available in other colors.

Keep in cool, dry, ventilated storage. Keep away from direct sunlight, sparks, and open flame. Do not smoke in the storage area. Close the container tightly after using it and place it safely to avoid spillage. Follow the First in First Out rule when storing the materials. Shelf life is 12 months. Store in 68-77°F (20-25°C) warehouse.

Follow the safety measures and warnings on the packaging and Material Safety Data Sheet (MSDS). Provide well ventilation of the application area and use mask and gloves. Do not breathe the vapor and avoid direct contact.

SAFETY PRECAUTIONS:

Consult the **ENDURIT Quick-Fix 450** material safety data sheet (MSDS) for more complete information on product health, safety, and handling.

Avoid skin and eye contact.

Eye Contact: Flush immediately with water and consult a physician.

Skin Contact: Wash immediately with soap and water.

Avoid prolonged exposure to vapors. Ventilation should be provided during installation and curing.

CHEMICAL RESISTANCE:

ENDURIT Quick-Fix 100	1 Day	7 Days
ACIDS, INORGANIC		
10% Hydrochloric	E	E
10% Nitric	E	E
50% Phosphoric	G	F
10% Sulfuric	G	F
ACIDS, ORGANIC		
10% Acetic	G	F
10 % Citric	G	F
Oleic	N/A	N/A
ALKALIES		
10% Ammonium Hydroxide	E	E
50% Sodium Hydroxide	E	E
SOLVENTS		
Ethylene Glycol	E	G
Isopropanol	F	F
Methanol	P	P
d-Limonene	E	E
Jet Fuel	G	G
Gasoline	F	F
Mineral Spirits	F	F
Xylene	P	P
Methylene Chloride	N/A	N/A
MEK	N/A	N/A
PMA	N/A	N/A
MISCELLANEOUS		
20% Ammonium Nitrate	E	E
Brake Fluid	F	P
Bleach	E	E
Motor Oil	E	E
Skydrol®500B	F	P
Skydrol®LD4	F	P
20% Sodium Chloride	E	E
10% TSP	E	E

Legend:
 E- Excellent (Not Effected) - Recommended
 G-Good (Limited Negative Effect) - Short Term Exposure
 F-Fair (Moderate Negative Effect) - Not recommended
 P-Poor (Unsatisfactory) - No Resistance to Exposure

WARRANTY:

BESSERN warrants that its product shall be in accordance with the specifications published in the current product data sheet. **BESSERN** will, in the event any of its products fail to meet their published specifications, replace those products proved to be defective.

BESSERN shall not be responsible for any incidental or consequential damages due to the breach of its warranties. Notwithstanding the foregoing, **BESSERN's** sole liability hereunder shall not exceed the cost of the defective product originally purchased.

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The user must determine if the product is suited for the intended use and the user must bear the risks and liabilities associated with it.

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