



## PRODUCT DATA

Volumetric Ratio \_\_\_\_\_ 1 to 1  
Solids \_\_\_\_\_ 95% (+ or - 1%)  
Temperature \_\_\_\_\_ 55-95°F  
Thinning \_\_\_\_\_ Not Required  
Pot Life \_\_\_\_\_ 5 min.  
Working Time on Floor \_\_\_\_\_ 10 min.  
Shelf Life \_\_\_\_\_ 12 months  
Color \_\_\_\_\_ Light Gray

## CURE TIME

Cure Time \_\_\_\_\_ 12 – 15 min.  
Critical Recoat Time\* \_\_\_\_\_ 12 hours  
\*Sand prior to Recoat

## PACKAGING

22 OZ CARTRIDGE  
Part A \_\_\_\_\_ 11 oz  
Part B \_\_\_\_\_ 11 oz

## CONTACT

PHONE \_\_\_\_\_ (425)888-5565  
WEBSITE \_\_\_\_\_ [www.diygaragefloors.com](http://www.diygaragefloors.com)  
EMAIL \_\_\_\_\_ [info@diygaragefloors.com](mailto:info@diygaragefloors.com)



## PRODUCT DESCRIPTION

DIY GARAGE FLOORS DGF-700 Crack Repair is a 2-component elastomeric sealing polymer system designed to act as a crack filler primarily in concrete. This material provides exceptional adhesion characteristics and fast cure times. It is a highly chemical resistant, insensitive to water, abrasion resistant, and remains thermally stable in a range of -20 degree F (-29 degree C) to 250 degree F (125 degree C). It may be used under traditional floor coatings or any of our top-coating materials. Crack Repair is used in heavy traffic warehouse floors. It meets FDA regulations for indirect food contact (CFR) 21, Sec 175-300).DIY

Crack Repair is formulated to use as a vertical paste compound to trowel in gaps and cracks in vertical concrete structures or as a horizontal self-leveling filler for floor cracks. All cracks and gaps should be blown out to eliminate water and loose concrete chips and dirt. Refer to SDS for material and safety standard procedures.

## APPLICATIONS

DIY GARAGE FLOORS DGF-700 Crack Repair is ideal for bonding cracked slabs, emergency repair situations before coating, repairing control joints, and filling cavities in cement.

## ADVANTAGES

- Essentially odorless
- VOC Free
- Chemically Resistant
- Cures in less than 20 minutes
- Ready to grind after curing
- Ability to withstand heavy traffic
- Meets USGBC LEED criteria IEQ4.1

## CONCRETE PREPARATION

Preparation of substrate surface prior to the application of Crack Repair is important as durability is only as good as its adhesion. The surface temperature must be 5" above dew point and no condensation is present on the surface. Crack Repair requires the concrete surface be clean/dry and free from contamination. Normally, chipping or blasting is sufficient to obtain proper bonding. Mild detergent may be used to remove oils and dirt. Rinse thoroughly and blow dry. Surface application temperature may range from 20 degree F (-29 degree C) to 150 degree F (65 degree C). This product may be applied with cartridge gun, hand mixed or plural component liquid pumping equipment. Gel time range at 75 degree F (24 degree C) is 4 min. Apply Crack Repair in a heavy over-filling quantity, let cure for 30 minutes prior to grinding level with floor. Heated material is not required if ambient temperature is above 70 degree F (21 degree C). Store materials in dry environment. For long storage, displace air in drums with nitrogen. Always wear safety gear when applying isocyanate/polyol resin based systems.



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## APPLICATION INSTRUCTIONS

**NEW CONCRETE: INTERIOR CONTROL JOINTS/EXPANSION JOINTS** – The concrete should be allowed to cure for a minimum of 60 to 90 days. Any moisture present in the joint should be eliminated prior to installation. Using a diamond blade saw, saw the joint vertically to a 90 degree angle to a minimum depth of 1 inch. The joint should be widened slightly to ensure adhesion to freshly opened concrete. Care should be taken not to adversely affect adhesion by “burnishing” the sides of the joint with a grinder. After sawing or grinding, the joint should be vacuumed using a common “shop vac” to remove as much dust and debris as possible. In some cases, closed cell joint backer can be used to prevent “sinkers” or continuously running material. It should be noted that the use of joint backer does not provide optimum joint protection. It may be necessary to stop “sinkers” by making several passes over the joint and allowing the material to cure in between passes. Crack Repair should be placed in the joint full depth, overfilled, and allowed to cure for a minimum of ten minutes before shaving level with the concrete.

**AGED CONCRETE: INTERIOR CONTROL JOINTS/EXPANSION JOINTS** – Remove all existing joint sealer and joint backer. Any moisture present in the joint should be eliminated prior to installation. Using a diamond blade saw, saw the joint vertically to 90 degree angles to a minimum depth of 1 inch. The joint should be widened slightly to ensure adhesion to freshly opened concrete. Care should be taken not to adversely affect adhesion by “burnishing” the sides of the joint with a grinder. After sawing or grinding, care should be taken that minimal amounts of dust and debris are left over in the joint. The joint should be vacuumed using a common “shop-vac” to remove as much dust and debris as possible. In some cases, closed cell joint backer can be used to prevent “sinkers” or continuously running material. It should be noted that the use of joint backer does not provide optimum joint protection. It may be necessary to stop “sinkers” by making several passes over the joint and allowing the material to cure in between passes. Crack Repair should be placed in the joint full depth, overfilled, and allowed to cure for a minimum of ten minutes before shaving level with the concrete.

**SPALLS/BLOWOUTS** – Remove all existing material from the spall or blowout. Any moisture present in the spall should be eliminated prior to installation. Using a diamond blade saw, saw the joint vertically to 90 degree angles to a minimum depth of 3/4” inch. The spall should be widened slightly to ensure adhesion to freshly opened concrete.



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## CLEAN UP

DIY Crack Repair, while in an un-reacted state, may be cleaned up with a light solvent. Isopropyl alcohol or acetone may be needed once the resin begins hardening. A strong solvent like methylene chloride may be required if DIY Crack Repair is nearly set up. Once cured, you must diamond grind to remove.

## PRODUCT LIMITATIONS

DIY Crack Repair is an aromatic polyurea. While the physical properties may not be affected, the elastomer could yellow and chalk with exposure to UV or Hg vapor light. It is highly recommended to use a dark color for any application requiring color stability. If color stability is mandatory, contact the manufacturer for recommendations. The chemical resistance chart should be consulted prior to any application. Crack Repair was designed to protect the edges of concrete, control and expansion joints. Crack Repair will pull away from the joint edges if too much slab movement is encountered. This characteristic allows for easy replacement and to alert the property owners that movement is present.

## SAFETY

Consult material safety data sheet. Avoid contact with skin. Some individuals may be allergic to epoxy resin. Protective gloves and clothing are recommended.

## WARRANTY

DIY GARAGE FLOORS products are warranted for 30 days after date of purchase. Please refer to the limited Material Warranty for additional clarification.

**Disclaimer:** All DIY GARAGE FLOORS products are manufactured with the finest raw materials. It is the applicator's responsibility to determine the