Technical Data Sheet (TDS)

CCF-40 Concrete Crack Filler

Fast Hardening Concrete Crack Filler

Special features

- Permanently closes cracks in subfloors
- Install metal anchor in concrete
- Repair concrete or stone stairs

Product Description

CCF-40 is a pre-measured two-component filler used for the repair or filling of voids in the concrete substrate. Ideal for filling cracks in concrete subfloors of any width. Suitable for use with ERP 270 as a filler for voids such as scored joints. Easy mixing and fast curing make it extremely easy to use. May be used in pre-measured bottles as an entire mix or maybe mixed in a 1:1 ratio for the amount needed.

Pre-Installation Checklist

A successful installation requires proper preparation of the subfloor. Read and understand all applicable guidelines and technical data sheets before installation. Follow industry standards and flooring manufacturers' recommendations for subfloor moisture content, design, layout, and application of flooring materials. All flooring material's backing must be solid, sound, and free of anti-adherents. All slab constructions must meet the specific requirements of the floor covering to be installed.

Sub Floor Examination

Prior to installation, the subfloor must be checked according to applicable installation guidelines. It must be solid and sound, permanently dry, clean, free of chaps and anti-adherents, and resistant to pressure and tension. The moisture content of all floors must be measured before installation.

Sub Floor Preparation

The condition of the subfloor will determine which type of mechanical treatment is required (e.g. wire brushing, sanding, grinding, or shot blasting). Dust, paint, curing compounds, sealers, residual adhesives, or other surface contaminants MUST be removed and a porous surface achieved by suitable means. The extent of subfloor preparation can only be determined at the site by the installer. Clean the surface with an industrial vacuum cleaner and tack the floor with a damp microfiber mop before application. Do not use sweeping compounds unless they are water-based as most others will contain oil or wax which will act as an anti-adherent and prevent primers, sealers, leveling compounds, coatings, and/or adhesives from bonding to the concrete. Cracks and gaps must be treated prior to application of primers, sealers, leveling compounds, coatings, and/or adhesives (for details see Technical Information #19 @ www.staufusa.com).

Mixing of Components

Pour all of Part A into the bottle with Part B. Close the cap and shake for 15 seconds. Do not stir. Partial bottles can be mixed in a separate empty container, mix a 1:1 ratio of Parts A & B and shake for 15 seconds. Do not stir.

Installation Procedure

Widen the crack in the floor to approx. 1/4 inch using an angle grinder, also cut the floor across the crack, and install floor brackets. Pour the concrete crack filler into the crack immediately after mixing and smooth out the surface with a flat trowel. Broadcast sand into the wet crack filler and vacuum off after it has dried to improve adhesion of subsequent levelers, sealers, or adhesives.

Storage

Store and transport protected from freezing. Recommended minimum temperatures are 35°F for transport and 40°F for storage. Do not stir the product if frozen, allow it to thaw completely.

Limitations

When using other than STAUF products in conjunction with STAUF primers, sealers, leveling compounds, or adhesives, STAUF denies any and all responsibility for any ensuing problems and/or damages without prior written authorization from STAUF.
In case of an accident, injury, spill, or exposure, see SDS for information. Consult the Technical Data Sheet at www.staufusa.com for updated information. The filler will maintain its integrity and performance even when high levels of moisture or water are present. Please see below for recommended sealers if a moisture barrier is required.
The foregoing representations are based on the results of our most current product and material testing within a controlled environment and are of a non-obligatory advisory nature only. As such, they do not constitute an express or implied warranty of any kind including the Warranty of Merchantability and/or Fitness for a Particular Purpose. Because we have no control over the actual quality of workmanship, materials used, and worksite conditions, STAUF USA LLC will in no event be liable for any incidental and/or consequential damages. Therefore, we strongly recommend that prior on-site testing be conducted to refer to and study the suitability of the product for the intended purpose. With the release of this Technical Information Sheet, all its prior versions become invalid. For warranty and warranty disclaimer information please see our Limited Lifetime Warranty @ www.staufusa.com

General Features

- LEED qualified
- Works under any type of flooring
- Contains no isocyanates
- Contains no water
- High shear strength
- Contains no solvents
- Contains no VOC (calc. per CA Rule 1168)
- Certified green
- Certified very low emission
- Nonflammable
- High solids content
- Ozone friendly
- Freeze/thaw stable
- Works under any STAUF adhesive
- Not freeze/thaw stable
- Bridges cracks
- Contains no plasticizers

Installation Features

- Very low odor
- Excellent penetration of subfloor
- Dries quickly
- Higher temp will shorten drying time
- Observe pot life during installation
- Suppresses minor cracks in concrete slabs
- No risk of sensitization
- Cleans with urethane cleaner

Long Term Features

- Resistant against aging
- Suitable for radiant heat systems

Approved Subfloors

- Concrete Slabs
- Ceramic Tiles
- Stone, Terrazzo
- Cured Leveling Compounds
- Radiant Heated Subfloors
- Wet Concrete Slab up to 25#/24hr/1,000SF and 100% RH
- Metal Floors
- Asphalt
- Cutback residues (grinded, tested negative for asbestos)
- Epoxy Sealers (100% solid, cured)

Curing Time before Flooring Installation

- Approx. 30 mins.

Temperature Range during Installation

- 50-90F (10-32C)

Relative Humidity Range during Installation

- 20% - 90%

Packaging Size

- 10 fl. oz. Plastic Bottle
- 5 Part A + 5 Part B per case

Color

- Yellow

Color Hardener

- Brown

Mixing ratio

- 1.3 Part A + 1 Part B by weight
- 1 Part A + 1 Part B by volume

Shelf Life

- 12 Months in original, unopened container

Pot Life

- Approx. 10 min. @ 70F (21C)