

PRODUCT DATA

3 03 01 00 **Maintenance of Concrete****SCB CONCRECIVE® 1380**

General-purpose structural concrete-bonding injection resin

Description

SCB Concrecive® 1380 is a two-component low-viscosity liquid epoxy adhesive for pressure-injection grouting.

Yield

One gallon yields 231 in³ (0.001 m³)

Packaging

3 gallon (11 L) units

Shelf Life

2 years when properly stored

Storage

Store in sealed containers between 50 and 90° F (10 and 32° C) in a clean, dry area.

Features

- Fast cure rate
- Low viscosity
- Solvent free
- High heat-deflection temperature (HDT)
- 2 to 1 mix ratio

Benefits

- Quickly returns repaired areas to service
- Can be injected in cracks from 0.005 – 0.25" (0.125 – 6 mm)
- Environmentally friendly
- Provides increased resistance to creep and stress relaxation
- Easy to mix and use

Where to Use

APPLICATION

- Structurally rebonding cracked concrete sections
- Rebonding delaminated concrete toppings
- Filling porous or honeycombed concrete or grout
- Anchoring bolts, dowels, and reinforcing bars

LOCATION

- Interior or exterior

How to Apply**Surface Preparation**

CONCRETE

Substrate may be dry or damp, although dry surfaces product optimum results. New concrete must be fully cured (28 day minimum).

Mixing

1. The mix ratio is 2 (Parts A) to 1 (Part B). Mix only the amount of material usable before the pot life expires. Thoroughly stir each component before mixing.
2. Measure (ratio) each component carefully and then add Part B (hardener) to Part A (resin).
3. Mix Parts A and B using a low-speed drill (600 rpm) and mixing paddle (e.g., a Jiffy mixer). Carefully scrape the sides and bottom of the container while mixing. Keep the paddle below the surface of the material to avoid entrapping air. Proper mixing will take at least 3 – 5 minutes. Well-mixed material will be free of streaks or lumps.

Application

PRESSURE INJECTION OF CRACKS

1. SCB Concrecive® 1380 is formulated for mixing and application with automatic pressure-injection equipment. Follow the recommendations and directions supplied by the equipment manufacturer.
2. Seal the ports and cracks with an appropriate paste epoxy.
3. When the paste is cured, inject SCB Concrecive® 1380 using standard pressure-injection equipment or by gravity feed.
4. For injection with side-by-side dispenser, hold in an upright position and use continuous pressure to avoid an improper mixing ratio.

PATCHING MORTARS AND GROUTS

1. Use washed, kiln-dried, and bagged graded silica sand. A carefully selected blend of sands with a low void content will require less epoxy for a given volume of mortar compared to ungraded sands. A good "skip" gradation for low void content is a blend by weight of 2 parts #12 or #16 mesh to 1 part #80 or #100 mesh. When graded sands are not available, a good general-purpose sand is #30 mesh silica.

2. The maximum placement depth is 1" (25 mm).

Clean Up

Clean all tools and equipment immediately with xylene or mineral spirits. Cured material must be removed mechanically.

For Best Performance

- Application temperature range is 40 to 100° F (4 to 38° C).
- This product should be used by experienced personnel for recommended applications.
- Precondition all components to 70° F for 24 hours before using.
- Do not thin with solvents.
- Make certain the most current versions of product data sheet and MSDS are being used; call Customer Service (1-800-433-9517) to verify the most current versions.
- Proper application is the responsibility of the user. Field visits by BASF personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

Health and Safety

SCB CONCRECIVE® 1380 PART A RESIN

Warning

Contains: epoxy resin, neopentyl glycol diglycidyl ether, O-cresyl glycidyl ether.

Risks

May cause skin, eye and respiratory irritation. May cause dermatitis and allergic responses. Potential skin and/or respiratory sensitizer. Ingestion may cause irritation. Reports associate repeated or prolonged occupational overexposure to solvents with permanent brain, nervous system, liver and kidney damage. INTENTIONAL MISUSE BY DELIBERATELY INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

Precautions

Use only with adequate ventilation. Avoid contact with skin, eyes and clothing. Keep container closed when not in use. Wash thoroughly after handling. DO NOT take internally. Use impervious gloves, eye protection and if the TLV is exceeded or used in a poorly ventilated area, use NIOSH/MSHA approved respiratory protection in accordance with applicable Federal, state and local regulations.

First Aid

In case of eye contact, flush thoroughly with water for at least 15 minutes. In case of skin contact, wash affected areas with soap and water. If irritation persists, SEEK MEDICAL ATTENTION. Remove and wash contaminated clothing. If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs or if swallowed, SEEK IMMEDIATE MEDICAL ATTENTION.

For additional information on personal protective equipment, first aid, and emergency procedures, refer to the product Material Safety Data Sheet (MSDS) on the job site or contact the company at the address or phone numbers given below.

Proposition 65

This product contains materials listed by the State of California as known to cause cancer, birth defects or other reproductive harm.

VOC Content

0 g/L or 0 lbs/gal less water and exempt solvents when components are mixed and applied per Manufacturer's instructions.

SCB CONCRECIVE® 1380 PART B HARDENER

DANGER – CORROSIVE

Contains: O-sec-butylphenol, diethyltoluenediamine, 2,4,4-trimethyl-1, 6-hexanediamine, diethylenetriamine, bisphenol-A.

Risks

Contact with skin or eyes may cause burns. Ingestion may cause irritation and burns of mouth, throat and stomach. Inhalation of vapors may cause irritation. May cause dermatitis and allergic responses. Potential skin and/or respiratory sensitizer. Repeated or prolonged contact with skin may cause sensitization. May be absorbed through skin. Repeated or prolonged exposure increases the risk of absorption. INTENTIONAL MISUSE BY DELIBERATELY INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

Precautions

DO NOT get in eyes, on skin or clothing. Wash thoroughly after handling. Keep container closed. DO NOT take internally. Use only with adequate ventilation. DO NOT breathe vapors. Use impervious gloves, eye protection and if the TLV is exceeded or used in a poorly ventilated area, use NIOSH/MSHA approved respiratory protection in accordance with applicable Federal, state and local regulations.

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Proposition 65

This product does not knowingly contain materials listed by the State of California as known to cause cancer, birth defects or other reproductive harm.

VOC Content

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**For medical emergencies only,
call ChemTrec (1-800-424-9300).**

**BASF Construction Chemicals, LLC –
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