

1.07 Submittals

- A. Submit project name and description, Owner's name and address, and name of installing Contractor to VersaFlex Incorporated.
- B. See Submittals sections of Project Documents for submittal procedures.
- C. Submit product data sheets for product incorporated in Work to Owner's Representative.
- D. Submit shop drawings, samples, certifications, project field reports, and inspection reports as directed.
- E. Submit MSDS sheets for product used in the Work.
- F. Submit manufacturer's qualifications and Contractor's qualifications.

1.08 Project Conditions

- A. Assure Owner's materials, equipment, and personal possessions are removed to Owner's satisfaction.
- B. Sign removal exception list and retain record copy. List Owner's property to remain in place during preparation and installation of joint filling system.
- C. Do not apply to horizontal surfaces with greater than 3% slope.
- D. Ambient installation temperature for this specification is 60 degrees F. For use below 32 degrees F contact manufacturer for special instructions for below freezing installations. Request VersaFlex Specification section 07954 - Low Temperature Polyurea Joint Filler.
- E. Allow no ponded water on surfaces receiving joint filler. Surface should be DRY.

1.09 Delivery, Storage, and Handling

- A. Deliver product in manufacturer's original containers.
- B. Store product in warm dry condition.
- C. Replace product damaged by shipment, weather, or job conditions.

PART 2 - PRODUCTS

2.01 Manufacturer: BESSERN Building Products, llc
1400 North Providence Road Suite 302
Media, PA 19063
(484) 234-5035
Fax: (484) 234-5037
www.bessern.com

2.02 Materials

- A. Joint Filler – Quick-Fix 100 100% solids, rapid curing polyurea filler. Install by pump or cartridge. Overfill joint slightly. Shave to proper elevation after cure.

Property, Cured Sealant

Solids Content	100%
Shore Hardness	75 D
Pot Life	1 Minute
Tack Free	5 Minutes
Traffic Ready	30 Minutes

2.03 Equipment

- A. Provide pump equipment suitable for use with products specified.
- B. Provide pump equipment
- C. When changing mixing wands check product flow equalization prior to installing new wand by pumping small amount of product into a waste bucket.

2.04 Accessories

- A. Provide bond breaker or dry sand at the bottom of random cracks.

2.05 Source Quality Control

- A. List manufacturer's batch numbers for each unit of product used in Work.

PART 3 - EXECUTION

3.1 Examination

- A. Organize work path to assure ease of egress from interior spaces.
- B. Test all equipment and product prior to commencing work.

3.02 Preparation

- A. Provide clean concrete joint surfaces.
- B. Remove partially bonded joint faces as required.
- C. Preparation of joints or spalls. Use dry diamond abrasive saw blade or grinding wheel to clean and profile joints or spalls. Use vacuum system attachment & vacuum when re-cutting with saw or grinder to reduce dust.
- D. Secure authorization for sand blasting if used.
- E. Chemical clean as last resort. Submit adequate entrapment and disposal plan.
- F. Review Quick-Fix 100 Technical Data sheet for proper joint configuration, sizing, and repair methods.
- G. Fill depths. Fill per Specifications and plans. If backer rod is being considered, call BESSERN for recommendations.
- H. Construction and Contraction joints. Straight cut to depth of $\frac{1}{2}$ thickness of slab.
- I. Random cracks. Wider than 1/16th inch. Groove to depth of 3/4 inch and top width of 1/8 inch minimum.
- J. Expansion joints. Quick-Fix 100 is not for use on expansion joints.
- K. Spalls. Diamond cut shoulders plumb. Form joint shoulders and fill with suitable repair product, if required. Install Quick-Fix 100 to level of adjacent concrete. See Quick-Fix 100 specification Section 03755
- L. Use a clean out saw to remove debris and abrade inside joint side walls, Use a vacuum system on saw when required to reduce dust during this process. Re-vacuum joints to remove any additional residue left behind from re-sawing.
- M. Mask surfaces as required.

3.03 Installation

- A. Install backer rod to proper depth, only if required due to depth of crack.
- B. Install Quick-Fix 100 filler. Refer to technical data sheet for additional information.
- C. Fill new construction and control joints full depth, using two pass process: $\frac{1}{2}$ the depth in first pass, fill remaining cavity with second pass by slightly filling above grade. Allow to cure for at least 30 minutes before shaving or trimming to proper elevation.

3.04 Field Quality Control

- A. Maintain pump and other installation equipment in proper operating condition throughout installation. Provide reserve equipment as required.
- B. Do not run pump pressures over 95 psi. High delivery pressures may introduce air into product and cause bubbling in the installed filler.
- C. Maintain minimum pump pressure above 85 psi.
- D. Do not pump all product from containers. Cavitation will cause introduction of air into delivery lines and cause installed sealant to contain air bubbles.
- E. Constant exposure to Ultraviolet light will cause color change, this will not affect products typical physical properties.

3.05 Cleaning

- A. Clean spills and over-sprays as they occur.
- B. Consult manufacturer's literature and MSDS sheets for proper cleaning products and methods.
- C. Clean site to Owner's satisfaction prior to final acceptance.

3.06 Protection

- A. Protect installed work prior to acceptance by Owner.
- B. Provide protective clothing, gloves, and respirators for use by installers as required.

3.07 Schedules

- A. Submit maintenance schedule if required.

END OF SECTION