

## **INSTALLATION SPECIFICATION FLEXJOINT™ U500 SEALANT**

### **1. SCOPE**

- 1.1 *This specification governs the installation of Flexjoint U500 Sealant as outlined on TDS CE-134. Flexjoint U500 Sealant may be used for construction and control joints. For expansion joints consider a softer sealant.*

### **2. JOINT DESIGN**

- 2.1 *See drawings D-1018 and D-1020 for typical joint details for brickwork and concrete.*

### **3. SURFACE PREPARATION**

- 3.1 *Where new joint surfaces of concrete are clean, remove laitance and loose particles by brushing or with air blast. For formed concrete, clean the surfaces by power wire brushing or slightly sand blasting the edges of the panel. Be sure that top edges of joints are square, sharp and clean, and sides are at 90° from surface.*
- 3.2 *When used to repair cracks in concrete rout crack to a depth of approximately 1" (25 mm). Remove loose particles by brushing or air blast. Be sure that all surfaces to be contacted with sealant are completely clean and sound. See detail in drawing D-1018.*



- 3.3 *Flexjoint U500 Sealant should not be used for expansion joints. However, it may be used in acid brick construction where heavy loads across joints are anticipated, and a compression movement will be caused by irreversible growth of acid brick.*

### **4. INSTALLATION**

- 4.1 *To ensure a neat appearance tape alongside the joint to protect concrete, brick or tile from overflow. Take care not to allow tape to come into contact with surfaces to which the sealant must adhere. Remove tape immediately after application.*
- 4.2 *FLEXJOINT U500 Sealant is installed with plural component caulking equipment. This equipment can*

*generally be categorized as either bulk powered equipment or hand loading equipment. Installation contractor should be fully familiar with this equipment before proceeding.*

4.3 *Flexjoint U500 Sealant is ideally applied at temperatures between 32°F and 90°F (0°C-32°C). Gel time at 70°F (21°C) is approximately 60 seconds and tack-free time is 2-3 minutes, plan accordingly.*

4.4 *For deep joints, fill in two closely succeeding applications to allow air bubbles to escape. Fill the joint 2/3 full in the first pour, permitting filler to settle, then fill completely in the second pour.*

## **5. CLEANUP**

5.1 *Mixed material sets in minutes, work promptly. Tools must be scraped clean if they have cured material on them. Mineral spirits will help remove remaining residue. Typically, static mixing heads are disposable and do not require cleaning. Clean hands with waterless hand cleaner or soap and water.*

## **6. SAFETY PRECAUTIONS DISCLAIMER CONTACT INFORMATION**

6.1 Consult current Safety Data Sheets (SDS's) before commencement of work.

6.2 While statements, technical information and recommendations contained herein are based on information our company believes to be reliable, nothing contained herein shall constitute any warranty, express or implied, with respect to the products and/or services described herein, and any such warranties are expressly disclaimed. We recommend that the prospective purchaser or user independently determine the suitability of our product(s) for their intended use. No statement, information, or recommendation with respect to our products, whether contained herein or otherwise communicated, shall be legally binding upon us unless expressly set forth in a written agreement between us and the purchaser/user. For all Terms and Conditions of Sale see <https://www.ergonarmor.com/about-ergon-inc/terms-and-conditions>.

6.3 Please contact ErgonArmor for further information at +1-601-933-3595 or [ErgonArmorCustServ@ergon.com](mailto:ErgonArmorCustServ@ergon.com).