

	
	TECHNICAL INFORMATION

CES-134
11/2025 SUPERSEDES 02/25

INSTALLATION SPECIFICATION FLEXJOINT™ U500 SEALANT

1. SCOPE

- 1.1 This specification governs the installation of Flexjoint U500 Sealant as outlined on product data sheet CE-134. Flexjoint U500 Sealant may be used for concrete control joints, crack repairs and compression joints in acid brick linings. For expansion joints consider a softer sealant.

2. JOINT DESIGN

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

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 degrees 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 contact 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, the choice of which is generally dependent on job size. Installation contractor should be familiar with this type of 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.
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