

	
	TECHNICAL INFORMATION

CES-130
11/2025 SUPERSEDES 04/25

INSTALLATION SPECIFICATION FOR TUFCHEM™ II JOINT SEALANT

1. SCOPE

- 1.1 This specification governs the installation of Tufchem™ II Joint Sealant as outlined on TDS CE-135. For Flexjoint U500 Sealant installation details consult product data sheet CE-134 and installation specification CES-134. For Flexjoint™ Joint Sealant (CE-133) information, consult Armor.
- 1.2 Tufchem II Joint Sealant is designed for use in non-load-bearing sealant applications where maximum joint movement is desired. Tufchem II joint Sealant can be applied in vertical applications.
- 1.3 For concrete control joints and compression joints in acid brick construction Flexjoint U500 Sealant (TDS C-134) should be used. Flexjoint U500 can also be used for crack repair filling. This procedure is outlined in specification CES-134. Flexjoint U500 Sealant requires special installation equipment.

2. JOINT DESIGN

- 2.1 Tufchem II Sealant is designed to accommodate movement as is typically found in expansion joint applications. A 2:1 width:depth sealant profile is suggested.

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 lightly grit 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 For Tufchem II Joint Sealant prime the concrete with Penntrowel Epoxy Primer or Novocoat SC1100.

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 Mix and apply sealant in accordance with instructions on the applicable TDS.
- 4.3 Tufchem II Joint Sealant is ideally applied at temperatures between 50°F and 90°F (10°C-32°C). Work life is approximately 45 minutes at temperatures between 50°F and 90°F (10°C-32°C).
- 4.4 Tack free time for Tufchem II Joint Sealant is approximately 4 hours at 70°F (21°C).

- 4.5 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 Tools must be scraped clean if they have cured material on them. Mineral spirits will help remove remaining residue. 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 armor-inc.com.
- 6.3 Please contact Armor for further information at +1-877-98ARMOR (982-7667) or customerservice@armor-inc.com.