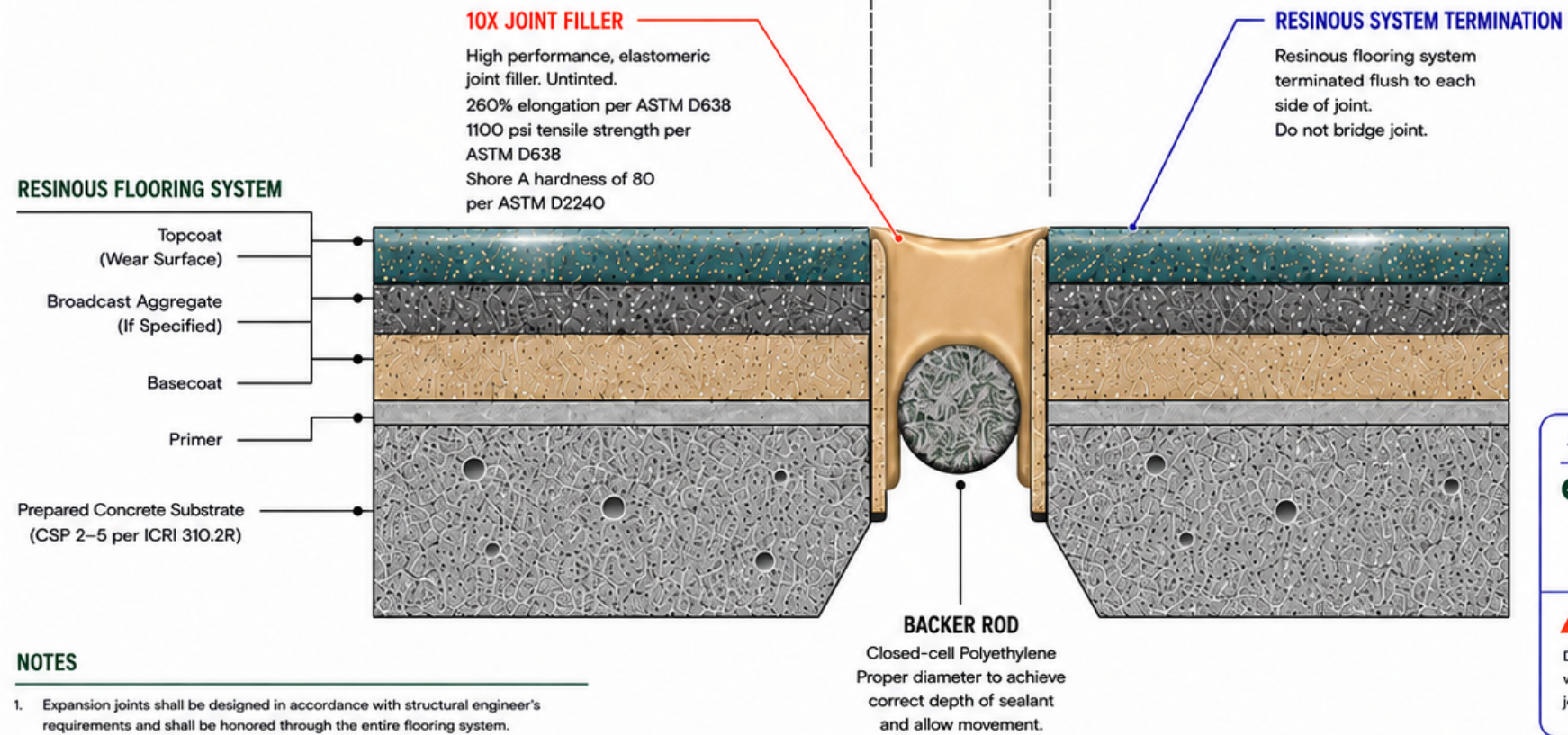


# EXPANSION JOINT DETAIL

## DYNAMIC (MOVING) EXPANSION JOINT

This detail is for expansion joints in concrete slabs that accommodate movement due to structural, thermal, or seismic conditions. These joints are designed to allow horizontal movement and shall be honored through the entire flooring system.

- APPLICABLE STANDARDS & REFERENCES**
- ACI 302.1R – Guide for Concrete Floor and Slab Construction
  - ACI 360R – Guide to Design of Slabs-on-Ground
  - ICRI 310.2R – Guide for Concrete Surface Profile (CSP)
  - ASTM C920 – Standard Specification for Elastomeric Joint Sealants
  - Manufacturer's written installation instructions



- JOINT CLASSIFICATION**
- ✓ **DYNAMIC (MOVING) EXPANSION JOINT**  
This joint is designed to accommodate movement and shall be honored through the entire flooring system.
  - ⚠ **IMPORTANT**  
Do not rigidly fill or bridge expansion joints with semi-rigid materials. Use only flexible joint filler systems designed for movement.

- NOTES**
1. Expansion joints shall be designed in accordance with structural engineer's requirements and shall be honored through the entire flooring system.
  2. Joint opening shown is minimum. Verify actual joint width and movement capacity with project documents and sealant manufacturer.
  3. Sealant and backer rod installation shall be in strict accordance with manufacturer's written instructions.
  4. All concrete surfaces shall be clean, sound, and dry prior to installation.
  5. Joint sealant shall be compatible with the resinous flooring system.
  6. Protect sealant from chemical exposure, traffic, and temperature extremes until fully cured (per manufacturer).
  7. For additional system information, refer to the product specifications.

**SYSTEM COMPONENTS**

COMPONENT	MATERIAL	DESCRIPTION / REQUIREMENT
Joint Fill Material	10X Joint Filler (Untinted)	260% elongation per ASTM D638 1100 psi tensile strength per ASTM D638 Shore A hardness of 80 per ASTM D2240
Backer Rod	Closed-Cell Polyethylene	Proper diameter to allow 1/4" sealant thickness and movement
Resinous Flooring System	Per Specification	Topcoat, broadcast (if specified), basecoat, primer
Concrete Substrate	Reinforced Concrete	CSP 2–5 per ICRI 310.2R



**EXPANSION JOINT DETAIL**  
DYNAMIC (MOVING) EXPANSION JOINT  
NOT TO SCALE

**ISSUE DATE**  
01/2026

**REVISION**  
0

**DESCRIPTION**  
FOR ARCHITECTURAL / SPECIFICATION USE