



ITW EXPANSION JOINT COMPOUND – TWO-COMPONENT EPOXY SEALANT

REVISED: 11/2023

TECHNICAL DATA SHEET #1018

VERSION: D

PRODUCT DESCRIPTION

ITW EXPANSION JOINT COMPOUND is a two-component epoxy resin formulation intended as a flexible foundation seam sealant. It is self-leveling, flows smoothly and has good adhesive strength, and flexibility over a wide temperature range.

USE & BENEFITS

ITW EXPANSION JOINT COMPOUND is used to seal joints where expansion and contraction movement will take place. A few of the benefits include:

- Excellent adhesion to concrete, masonry, cured epoxy, glass, aluminum, steel, wood, and many other construction materials.
- Remains flexible over a wide temperature range, 0°F to 150°F (-18°C to 65°C).
- Durable and weather resistant.
- Vibration and impact resistant.

MIXING & APPLICATION INSTRUCTIONS

Please refer to the appropriate safety data sheet (SDS) prior to using this product. In addition, please Technical Guide 662 for more detailed design and installation information on expansion joints and Technical Guide 672 for estimating needed volumes for an installation.

Store the resin and hardener at between 70°F (21°C) and 80°F (27°C) for 24 hours before use. All surfaces must be sound, clean, and dry. Remove all oils, grease, previous caulking, efflorescence, and protective coating, etc. New concrete must be completely cured. Application should be made when the joint is as near mid-working temperature range as practicable, but above 55°F (13°C).

Mix EXPANSION JOINT COMPOUND by adding the hardener to the resin can and using a small Jiffy mixer blade at 200 rpm in an electric drill. Mix for three minutes.

Clean all tools with IXT-59 solvent or equivalent.

A trowelable mixture can be made by adding dry sand to mixed EXPANSION JOINT COMPOUND.

When filling sealing areas, it is recommended to design the depth of the sealant based on the width. Effective sealing applications work best with a depth approximately 1/2 of the width. If necessary, a backer rod may be used to ensure proper dimensions of ITW EXPANSION JOINT COMPOUND. Please refer to **Figure 1** for additional information.

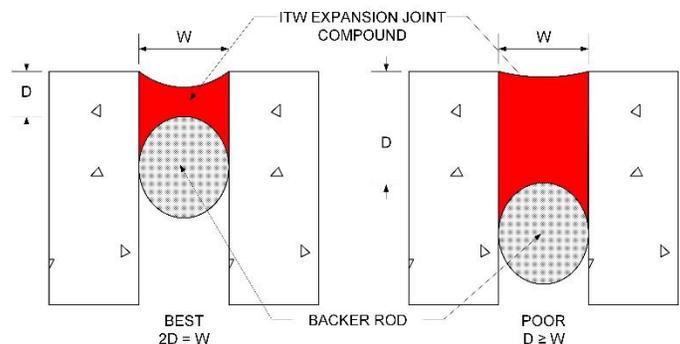


FIGURE 1: RECOMMENDED SIZING OF SEALANT

Please contact your local representative of our Worldwide Distributor Network or ITW Performance Polymers for any questions or support.

STORAGE RECOMMENDATIONS

All product components should be stored in a dry, shaded area in original unopened containers and within a

temperature range of 65°- 95°F (16° - 35°C). For additional information, please refer to Technical Guide 1024.

PHYSICAL PROPERTIES

ELONGATION	200%
TYPICAL TEMPERATURES IN SERVICE	0°F – 150°F (-18°C to 65°C)

The data shown reflect typical results based on laboratory testing under controlled conditions. Variations from the above data are typical for field-prepared samples.

PRODUCT INFORMATION

UNIT COVERAGE	152 in ³ (2.50 L)
TYPICAL APPLICATION TEMPERATURES	55°F to 95°F (13°C to 35°C)
INITIAL CURE TIME (APPROXIMATE, BASED ON CONTACT SURFACE TEMPERATURES)	55°F (13°C) - 48 hrs.
	75°F (24°C) - 24 hrs.)
POT LIFE (APPROXIMATE)	45 minutes at 70°F (21°C)
MIXING RATIO	12:1
PACKAGING PER UNIT	RESIN (A): 0.66 gal (2.50 L) in 1 gal can
	HARDENER (B): 0.067 gal (0.25 L) in 8-oz bottle
COMPONENT WEIGHTS	RESIN (A): 6.6 lbs. (2.99 kg)
	HARDENER (B): 0.54 lbs. (0.245 kg)
UNIT SHIPPING WEIGHT	32 lbs. (14.5 kg)/case, 4 kits/case
COLORS	Available in Red or Gray
CLEAN UP	IMPAX IXT-59, or similar epoxy solvent
SHELF LIFE	2 years in dry storage
CHEMICAL RESISTANCE	Refer to Technical Guide 675

REFERENCE

For any additional recommendations or applications beyond the typical ones listed in this document, please contact your local representative of our Worldwide Distributor Network or ITW Performance Polymers for further support.

General: Every reasonable effort is made to insure the technical information and recommendations on these data pages are true and accurate to the best of our knowledge at the date of issuance. However, this information is subject to change without notice. Prior versions of this publication are invalid with the release of this version. Products and information are intended for use by qualified applicators that have the required background, technical knowledge, and equipment to perform said tasks in a satisfactory manner. Consult your local distributor for product availability, additional product information, and technical support. **Warranty:** ITW Performance Polymers, a division of Illinois Tool Works Inc., warrants that its products meet their printed specifications. This is the sole warranty. This warranty expires one year after product shipment. **Warranty Claims:** If any product fails to meet the above, ITW Performance Polymers will, at its option, either replace the product or refund the purchase price. ITW Performance Polymers will have no other liability for breach of warranty, negligence, or otherwise. All warranty claims must be made in writing within one year of the date of shipment. No other claims will be considered. **Disclaimer:** ITW Performance Polymers makes no other warranty, expressed or implied, and specifically disclaims any warranty of merchantability or fitness for a particular purpose. Suggestions concerning the use of products are not warranties. The purchaser assumes the responsibility for determining suitability of products and appropriate use. ITW Performance Polymers' sole liability, for breach of warranty, negligence or otherwise, shall be the replacement of product or refund of the purchase price, at ITW Performance Polymers' election. Under no circumstances shall ITW Performance Polymers be liable for any indirect, incidental or consequential damages. **Modification of Warranty:** No distributor or sales representative has the authority to change the above provisions. No change in the above provisions will be valid unless in writing and signed by an officer or the Technical Director of ITW Performance Polymers. No term of any purchase order shall serve to modify any provision of this document. **Mediation and Arbitration:** If any dispute arises relating to products or product warranties, either the purchaser or ITW Performance Polymers may a) initiate mediation under the then current Center for Public Resources (CPR) Model Procedure for Mediation of Business Disputes, or b) initiate a non-binding arbitration under the rules of the American Arbitration Association for the resolution of commercial disputes.

ITW PERFORMANCE POLYMERS

130 Commerce Drive | Montgomeryville | PA 18936 | USA | T: +1-215-855-8450 | E-mail: customerservice.na@itwpp.com | www.itwperformancepolymers.com
 Bay 150 | Shannon Industrial Estate | Shannon | County Clare | Ireland | T: +353 61 771 500 | E-mail: customerservice.shannon@itwpp.com