



AGT80POLY

TWO COMPONENT RAPID CURING POLYUREA JOINT FILLER

PRODUCT DESCRIPTION

AGT80 POLY is a 100% solids, two component, self leveling aromatic polyurea joint filler having good flexibility and elongation, allowing 10–15% joint width movement. AGT80 POLY can be installed in temperatures as low as 15°F (-9°C). AGT80 POLY is a joint filler having a Shore A hardness of 75-80A and can be used in place of semi-rigid epoxy fillers. Available in dark gray.

USE

AGT80 POLY primary use is for filling interior control or construction joints on horizontal concrete surfaces, such as industrial floors. AGT80 POLY formulation will accommodate small joint movement yet protect joint edges from spalling under heavy loads of steel wheeled or forklift traffic. Typical areas of use include warehouse floors, cold storage, manufacturing facilities, industrial facilities, food processing, water and waste water facilities, wire guiding systems and in cold applications where time and temperature are a concern.

BENEFITS

- Shave Joints in 45 minutes
- Cures at temperatures as low as 15°F (-9°C)
- Flexible at cold temperatures
- 100% solids, V.O.C. Compliant
- Odorless, no vapors
- Self leveling
- Open to traffic in 90 minutes
- Available in bulk or cartridge

APPLICABLE STANDARDS

- Meets USDA Regulations.
- Solids Content – 100%
- Pot Life – 3-4 minutes
- Tack Free – 30 minutes
- Initial Cure – 90 minutes
- Final Cure – 7 days
- Shore A Hardness – ASTM D 2240, 75-80A
- Elongation – ASTM D 412, 550-600%
- Tensile Strength – ASTM D 412, 1580PSI (5.9MPA)
- Tear Strength - Die C – ASTM D 624, 400 PLI
- Taber Abrasion – ASTM D 4060, 280mg loss, (1000gm, 1000 cycles, H-18 wheels)
- Standard Color: Dark Gray

APPLICATION

Installation of AGT80 POLY should not be performed until concrete is a minimum of 28 days old. All concrete must be dry for at least 5 days prior to installation of AGT80 POLY. A mock up sample area should be prepared and inspected to

assure acceptance of installation and appearance.

Surface Preparation

All joints and joint walls must be mechanically cleaned with a diamond cutting blade to insure proper bonding. All dust, debris, and old joint filler must be completely removed from the joint prior to installation of AGT80 POLY. Dust and debris should be removed by a vacuum crevice tool or clean, dry, oil free air blown at >120 cfm. All joints must be clean and dry at time of installation. Do not clean joints with water or solvents of any kind. Install closed cell backer rod at a depth of 3/4" (19.0mm) to 1" (25.4mm) into the joint. Avoid puncturing backer rod as it may lead to outgassing and bubbling. Use backer rod that is approximately 25% larger than the joint width. Do not use sand or open backer rod as a backer.

Mixing

The recommended application is either using cartridges or plural component metering pumps. Cartridges should be vigorously shaken for approximately 2 minutes before using. When using plural component metering pumps, both Part A and Part B must be thoroughly mixed separately prior to dispensing.

Installation

Installation should be performed during the cool part of the day, or in a temperature controlled environment. AGT80 POLY should be extruded from plural component metering pumps

set for a 1:1 mixing ratio. Purge the pump before installing mixing nozzle, make sure that equal amounts of Part A and Part B are coming out at the mixing manifold. Install mixing nozzle and purge AGT80 POLY into a waste pail until a uniform color is achieved without streaking. Joints should be filled starting at one end and working toward the other. Slightly overfill joints, letting the AGT80 POLY form a slightly convex surface over the joint. Let the AGT80 POLY cure for approximately 30 minutes, then shave off excess flush with surface using a long handle razor floor scraper. AGT80 POLY can be shaved approximately 45 minutes after installation, depending on ambient temperature. Once a container of AGT80 POLY is opened for use, it must be used. Recapping and reuse should be avoided. For dispensing AGT80 POLY cartridges, first remove plugs from cartridge neck, attach the static mixer to the cartridge with the nut and finger tighten. Load a cartridge into the dispensing gun and dispense an amount of AGT80 POLY into a waste pail until the color is completely uniform with no streaks, then proceed to fill joints.



Fabricante y Distribuidora de Materiales Químicos y Accesorios para Construcción

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ESTIMATED COVERAGE

Lineal feet (meters) per cartridge unit

Depth in Inches	WIDTH			
	1/4" (6.3mm)	1/2" (12.7mm)	3/4" (19.0mm)	1.0" (25.4mm)
3/4 (19.0mm)	18' (5.4m)	9' (2.7m)	6' (1.8m)	4' (1.2m)
1.0 (25.4mm)	13' (3.9m)	7' (2.1m)	4' (1.2m)	3' (.91m)

CURE TIME

Tack Free – 30 minutes, initial cure – 90 minutes, final cure to reach full chemical resistance and mechanical properties – 7 days.

CLEAN-UP

Clean all tools and equipment with Xylene or Acetone before Jointfill has set.

PACKAGING

ITEM #	Package	Size		Weight
305788	21 fl. oz.	Cartridge	12/case	25 lb.

Component B – Avoid skin and eye contact. Contact with skin may cause severe burns. If skin contact occurs, wash immediately with soap and water and seek medical help as needed. If eye contact occurs, flush immediately with clean water and seek medical help as needed. Wear protective clothing, gloves, and goggles. This product may be a strong sensitizer. Avoid inhalation of vapors. Use safety glasses and wear protective rubber gloves. Read MSDS before using product.

STORAGE

Store AGT80 POLY in original unopened containers in a dry environment at temperatures between 55–90°F (13°–32°C). Shelf life is 1 year in unopened containers and 6 months in cartridges.

LIMITATIONS

Do not use or install AGT80 POLY in wet or damp joints, or anywhere the immediate work or joint is not dry. Do not thin AGT80 POLY with any solvents or thinners. Limit the installation of AGT80 POLY to sloping grades not greater than 3°. Note: high temperatures will accelerate setting time, and cool temperatures will slow setting time.

PRECAUTIONS

Keep out of the reach of children. Do not take internally. In case of ingestion, CALL A PHYSICIAN immediately. DO NOT induce vomiting. Component A – Prolonged or repeated exposure may cause eye/ skin irritation. If contact occurs, wash immediately and seek medical help as needed. Wear protective clothing, gloves and goggles.



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