

AP-610 FLEXIBLE JOINT FILLER

DESCRIPTION

AP-610 is a two component, 100% solids polymer dual cartridge system designed to provide resilient filler for expansion joints in general industry. The material is a semi-clear, unpigmented product packaged in a 300ml x 300ml dual cartridge system with a ½” 30 element static mixing nozzle, and retainer nut.

FEATURES

- 100% solids – NO VOC's
- Flexible even when cured
- Chemical resistant
- No priming required
- Shore D durometer reading 56
- Color coded to ensure complete mixing
- A tube set is 600ml (approximately 0.1558 gallons) (Approximate coverage rate for 1 tube set - 11 to 12' long x ½” wide by ½” deep
- Requires the use of the Flexible Joint Filler Gun

DIRECTIONS FOR USE

1) **PRODUCT STORAGE:** Store AP-610 in an area so as to bring the material to normal room temperature before using. Continuous storage should be above 55° F to prevent product crystallization.

2) **SURFACE PREPARATION:** All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free bond to the substrate. We recommend that all loose concrete, previous joint compounds or other foreign material be removed to leave a clean sound joint at least 1/2” deep. For best results, edges should be saw cut and a one inch backer rod should be placed into the joint leaving approximately 1 to 1 1/2 inches from the top of the backer rod to the top of the joint.

3) **PRIMER:** No primer is necessary. This material is self-priming. However, any suitable primer can be used.

4) **PRODUCT MIXING:** It is important that the material be mixed (shaken) before using. AP-610 has a very short pot life of 1-2 minutes and should be applied continuously once opened to prevent the tip from becoming clogged using a ½” diameter 30 element tip. The product is packaged in a closed end dual cartridge and the closed end tip can be removed with a screwdriver prior to applying the static mixing tip and retainer nut. ALWAYS dispense a small beginning portion onto cardboard to prevent non-mixed material from entering joint. Improper mixing may result in product failure.



To assemble, hold tubes with tip facing upward. First, remove the closed end on the cartridge system with a screwdriver. Next, place the static mix nozzle over the tube set ends. Finally, slip the screw collar over the tip and tighten on the tube set and then place the tube set into the tube applicator.

Do not allow material to mix prior to dispensing as it will cure within 1-2 minutes.

5) **PRODUCT APPLICATION:** Discard the unmixed portion of mixed material at the start of each application. This product has a very short pot life of 1-2 minutes and should be applied with a dual cartridge caulking gun using the ½” diameter 30 element tip. Apply the mixed product by pumping the mixed material in a continuous motion into the expansion joint to be repaired. Remove any excess material with a razor scraper or similar tool after the material has set up enough to cut through with the razor scraping toll. Maintain temperatures within the recommended ranges during the application and curing process. When temperatures are lower, allow more time for this material to cure.

6) **RECOAT OR TOPCOATING:** No recoating or topcoating is necessary. However, if you opt to topcoat the applied joint compound, allow it to cure before topcoating. It is not necessary to prime over the joint compound prior to topcoating the joint compound. Many epoxies and urethanes can be used. In some instances, especially when excessive expansion joint movement is involved, topcoats may chip or crack. However, most epoxy or topcoat products will adhere to the joint compound very well. It is recommended to apply a test area with the system to be applied before undertaking the entire project.

7) **CLEANUP:** Use xylol.

8) **FLOOR CLEANING:** Caution! Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with a product and process tested.

9) **RESTRICTIONS:** Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (see technical data under full cure). It is best to let the floor remain dry for the full cure cycle.

SPECIFICATIONS

Solids by Weight	100%
Volatile Organic Content	0lbs./gal
Standard Colors	Semi-transparent clear unpigmented
Recommended Thickness	½” to 1 ½”
Packaging	300ml x 300ml Packaged as a dual cartridge system with two 300ml cartridges per set.
Cubic Inches	36in (approx.)
Mix Ratio	1:1 by volume
Shelf Life	6 months in unopened containers properly stored at normal room temperatures.
Shore D Hardness	40-45
Tensile Strength	1,984 psi
Elongation	100%
Impact Resistance	Excellent
Abrasion Resistance	18.2 mg loss with a 1000 gram total load at 1000 revolutions with a CS17 wheel
Compressive Strength	2,300 psi
Adhesion	410 psi (elcometer) – concrete failure
Dot Classification	“not regulated”
Viscosity	1,200 cps – 1,400 cps typical
Application Temperature	40 – 90°F (lower temps will require additional cure)
Primer	None required
Topcoat	Non required, however, many types of products can be used as coatings or overlays for the areas that has been patched.



TECHNICAL DATA SHEET

CURE SCHEDULE

Pot Life (150 gram mass)

1-2 minutes @70°F

Recoat or Topcoat

1 hour @ 70°F

Light Foot Traffic

1-3 hours @ 70°F

HMIS SYMBOL

	Health	Flammability	Reactivity
Part A	2	1	0
Part B	3	1	0