

AP-600

POLYUREA JOINT FILLER

DESCRIPTION

AP-600 is a modified aliphatic, polyurea joint filler with 600% elongation and 80 durometer Shore A hardness. This product can be used indoors and outdoors with no degradation or fading due to UV rays. AP-600 has its own application system procedure that takes the place of cartridges.

FEATURES

- Moisture insensitive
- 600% elongation
- UV color stable
- Remains flexible
- Odorless
- Non-toxic
- Meets FDA/USDA criteria
- Meets Calif VOC/AQMD requirements

COLORS

Non-pigmented with a variety of color pack options

USES

AP-600 is for interior and exterior horizontal concrete surfaces, sawcut, control joints, random cracks and other areas where down-time is limited.

- Airport runways
- Control joints
- Cracks/spalls
- Swimming pool decks
- Sidewalk joints
- Parking garage decks
- Bridge headers
- Warehouse/manufacturing facilities

SURFACE PREPARATION

Allow concrete to cure 28 days before installation. Saw cut the joint to ACI Recommendations. All joints must be clean, dust free, and dry prior to installing AP-600. If joint is damp, dry with heat torch. Ensure that all joint edges are at 90° angles to grade with no V-grooving or feathered edges.

MIXING & APPLICATION

AP-600 may not be diluted under any circumstances. Begin by emptying pigment bag first into A-side. Then empty the B-side bag into the A-side bottle. Using the Arrow Mixer, set variable speed drill to control mix speed while raising and lowering the drill. Place splashguard on bottle. Mix 2-3 minutes until uniform color is obtained throughout. Clean mixer for reuse.

FINISHING

After applying AP-600, wait approx. 1 hour, depending on temperature and humidity, shave off any over-pour flush to grade before opening to traffic. Product takes approx. 24 hours to reach full hardness of 80 durometer, shore A.

Quart Unit: Attach spout to A-Side bottle cut tip off to desired opening.

Half Gallon Unit: Attach extended nozzle to A-side bottle and place into Bottle Gun. Apply AP-600 material. Shave joint after 1 hour.

Note: Once mixed, the working time to apply AP-600 is approximately 10 minutes. AP-600 can be applied at ambient temperatures from 32°F (0°C) to as high as 135°F (57°C). The product should be conditioned to approximately 70°F prior to use for best results.

PACKAGING

One Gallon Non-Pigment Kit
(2) – Half Gal Units (A&B) or
(4) – Quart Units (A&B)

AP-600 Pigment – 26 standard colors

AP-600 materials should be stored at room temperature, 60-80°F (15-27°C). AP-600 has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at temperatures between 60-80°F (15-27°C). Cured product may be disposed of without restriction. Check local, state and federal laws before disposing of material.

LIMITATIONS

Do not dilute AP-600 under any circumstances.

Some discoloration may occur over long-term exposure to UV; however, no change will occur in the physical properties.

WARNING

This product contains Isocyanates and Curatives.

SPECIFICATIONS

Mix Ratio by Volume	7A : 1B
Hardness, ASTM D-2240	80 +/- 4 Shore A
Elongation, ASTM D-412	600 +/- 50%
Tensile Strength, ASTM D-412	2000 +/- 200 psi
13.8 +/- 1.4 MPa	
Gel Time at 75°F ASTM D-2471	Approx. 15 min
Tear Strength, ASTM D-624	425 +/- 50 pli
74.5 +/- 8.8 kNm	
Total Solids by Weight, ASTM D-2369 Total	100%
Solids by Volume, ASTM D-2697	100%