



POWER PATCH PRO

Multi-purpose, high-strength, non-sag epoxy for bonding or repair

1. PRODUCT NAME

Akona® Power Patch Pro

2. MANUFACTURER

TCC Materials
2025 Centre Pointe Blvd.
Mendota Heights, MN 55120 USA
Phone: 651-688-9116
Web: tccmaterials.com

3. PRODUCT DESCRIPTION

Akona Power Patch Pro is a high-strength, non-sag, two-component epoxy used to bond, repair, or fill blemishes in concrete, brick, wood, and stone and can be used for both overhead and vertical repairs. The application temperature range is between 40°F-100°F (4°C-38°C).

Uses/Advantages:

- High-strength & non-sag
- Use as adhesive or filler
- Can be sanded and painted
- May be used on damp surfaces
- Easily dispensable with most standard caulking guns
- Rapid cure, initial cure time of 3 hours
- Repair tile underwater

When/Where to Use:

- Vertical and overhead
- Concrete, brick, wood, stone, and more
- Non-sag patch for cracks and small repairs

Available Size(s):

- 8.6 fl. oz. (254 ml) tube (BOM 113762)

Coverage:

- 8.6 oz. tube yields approximately 30 lin. ft. (9.1 m) at 1/8" x 1/8" (3x3 mm) line

4. TECHNICAL DATA

Note: Tests results obtained under controlled laboratory conditions at 75°F (24°C) and 50% relative humidity. Reasonable variations can be expected due to atmospheric and job site conditions

Typical Values • Akona Power Patch Pro			
Gel Time	-	-	14 min.
Tack Free Time	-	-	3 hr.
Working Time	-	-	30 min.
Peak Compressive Strength	7 day	ASTM D695	6,120 psi (42.2 MPa)
Compressive Modulus	7 day	ASTM D695	106,400 psi (733.6 MPa)
Bond Strength to Fully Cured Concrete	2 day	ASTM C882	1,230 psi (8.5 MPa)
	14 day		1,640 psi (11.3 MPa)

5. INSTALLATION

Preparation:

Read all directions before starting work. Remove all loose and unbound materials from surfaces. Thoroughly clean surface to remove paint, grease, oil, old cement, or other contaminants. Concrete surfaces should be profiled or textured, a roughened surface will improve adhesion. New concrete should be fully cured, 28 days. Ideal application temperature is 75°F (24°C), air and surface temperatures must be 40°F (5°C) or above. When possible, plan to dispense an entire cartridge at one time with no interruption of epoxy flow.

Mixing:

For best results, condition material to 60°F-85°F (18°C-29°C) before using. Unscrew and remove protective cap, load cartridge in standard caulking gun screw on the static mixer nozzle, dispense a bead of epoxy into a disposable container until a uniform, streak-free color is obtained. The first two or three dispenses are used to remove air and ensure the correct mixing ratio, this material must be discarded. The cartridge is now ready to use. When the work is interrupted, the static mixer can remain on the cartridge after the gun pressure has been relieved. Work quickly, once material hardens in the nozzle, a new nozzle must be used.

Application:

Akona Power Patch Pro should be used for small repairs and spalls only, a concrete repair product should be used for larger areas. Avoid a feathered edge by cutting around the spall into sound concrete with a grinder or circular saw using a diamond or concrete abrasive blade so the entire depth of the spall is consistent. When patching concrete or wood surfaces, fill the void to just above the surface level and trowel flush. Always keep nozzle submerged in the adhesive while filling the spall to avoid entrapping air into the repair. When adhering replacement tile to pool surfaces underwater, apply Power Patch Pro to dry tile and hold in place until initial tack is reached. Adhesive in cartridge is fully dispensed when the plunger reaches halfway.

Clean Up:

Use a dry cloth to remove any fresh excess product from tools and non-porous surfaces. Clean uncured materials from tools immediately after use with mild solvent. Excess cured material can only be removed mechanically.

Notes/Limitations:

- Product may discolor from UV exposure.
- New concrete should be fully cured a minimum of 28 days.
- Do not thin with solvents.
- NOT intended for repairing cracks subject to movement, repairs should be made to those areas to eliminate the cause of the cracking prior to usage.
- Recommended for small repairs only.
- Low temperatures will increase cure time, while higher temperatures will decrease cure time.
- Product may sag when dispensing underwater into vertical cracks or spalls.

Proper application and installation of all AKONA products are the responsibility of the end user



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Safety:

Always read the product SDS and cautionary statements on product container prior to application. Wear proper protective gear as advised on the label and/or SDS. Wash hands thoroughly with warm, soapy water after handling or before eating. Do not take internally. KEEP OUT OF REACH OF CHILDREN.

6. AVAILABILITY

To locate Akona products in your area, please contact:

Phone: 651-688-9116

Web: tccmaterials.com

7. WARRANTY

Seller warrants that its product will conform to and perform in accordance with the product specifications. The foregoing warranty is in lieu of all other warranties, expressed or implied, including, but not limited to those concerning merchantability and fitness for a particular purpose. Because of the difficulty in ascertaining and measuring damages hereunder, it is agreed that Seller's liability to the Buyer shall not exceed the total amount billed to the Buyer for the product hereunder.

Shelf Life	Best when used within one year in original, unopened container
Storage Conditions	Store dry, in original unopened container at temperatures between 40°-90°F (4°-32°C). Do not freeze.
Color	Gray

DO NOT FREEZE

WARNING: INJURIOUS TO EYES

KEEP OUT OF REACH OF CHILDREN



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