

## AT-XP® High-Strength Acrylic Adhesive

### Adhesive Anchors

AT-XP is a 10:1 ratio, two-component, high-strength acrylic-based anchoring adhesive for use in threaded rod and rebar into cracked and uncracked concrete and masonry under a wide range of conditions. AT-XP adhesive dispenses easily in cold or warm environments and in below-freezing temperatures with no need to warm the cartridge.

### Features

- Suitable for use in dry or water-saturated concrete.
- One-year shelf life for unopened cartridges (13 oz. and 30 oz.) when stored between 14°F (–10°C) and 80°F (27°C). Eighteen-month shelf life for unopened cartridges (10 oz.) when stored between 14°F (–10°C) and 80°F (27°C).
- Cures in substrate temperatures as low as 14°F in 24 hours or less. Cures in 30 minutes at 86°F.

### Applications

- Threaded rod anchoring and rebar doweling into concrete and masonry
- Installation in downward, horizontal and upwardly inclined (including overhead) orientations

### Codes

Concrete — IAPMO UES ER-263 (including City of LA); FL16230.

Masonry — IAPMO UES ER-281 (including City of LA and Florida Building Code Supplement); FL16230.

ASTM C881 and AASHTO M235 — Types I/IV, Grade 3, Class A, B, and C except AT-XP is not an epoxy.

NSF/ANSI/CAN 61 (43.2 in.<sup>2</sup> / 1,000 gal.).

### Installation and Application Instructions

- Surfaces to receive adhesive must be clean per approved hole cleaning method. Approved for installation with vacuum drill bit system without further hole cleaning.
- Base material temperature must be 14°F (–10°C) or above at the time of installation. For best results, material should be between 14°F (–10°C) and 80°F (27°C) at time of application.
- To warm cold material, store cartridges in a warm, uniformly heated area or storage container. Do not immerse cartridges in water or use microwave to facilitate warming.
- Mixed material in nozzle can harden in 3–4 minutes at temperatures of 70°F (21°C).

### Suggested Specifications

See [strongtie.com](http://strongtie.com) for more information.



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## AT-XP Adhesive Cartridge System

Model No.	Capacity ounces (cubic in.)	Cartridge Type	Carton Qty.	Dispensing Tool	Mixing Nozzle
AT-XP10 <sup>1</sup>	9.4 (16.9)	Coaxial	6	CDT10S	AMN19Q
AT-XP13 <sup>1</sup>	12.5 (22.5)	Side-by-side	10	ADT813S	
AT-XP30 <sup>1</sup>	30 (54)	Side-by-side	5	ADT30S ADTA30P or ADTA30CKT	

1. One AMN19Q mixing nozzle with integrated extension is supplied with each cartridge.
2. Use only Simpson Strong-Tie® mixing nozzles in accordance with Simpson Strong-Tie instructions. Modifications or improper use of mixing nozzle may impair AT-XP adhesive performance.
3. Use of rodless pneumatic tools to dispense single-tube, coaxial adhesive cartridges is prohibited.
4. Detailed information on dispensing tools, mixing nozzles and other adhesive accessories is available at [strongtie.com](http://strongtie.com).
5. Cartridge estimation guidelines are available at [strongtie.com/apps](http://strongtie.com/apps).

## Cure Schedule

Base Material Temperature		Gel Time (minutes)	Cure Time (hours)
°F	°C		
14	-10	30	24
32	0	15	8
50	10	7	3
68	20	4	1
86	30	1½	30 min.
100	38	1	20 min.

1. For water-saturated concrete, the cure times must be doubled.