



January 08, 2024

SUBJECT: Simpson Strong-Tie AT-3G™ adhesive Installed at temperatures below 23°F (-5°C)

To Whom It May Concern:

This letter addresses the installation of threaded rod and rebar anchors with AT-3G adhesive into concrete that has a temperature below 23°F (-5°C) at the time of installation. Testing was conducted by an independent testing and evaluation agency that is accredited to conduct testing in accordance with ASTM E488 and ICC-ES Acceptance Criteria AC308.

The evaluation report for AT-3G adhesive (ICC-ES ESR-5026) specifies the concrete temperatures that are permitted during anchor installation, along with the corresponding gel times. Based on the testing conducted, the bond strength (τ_k) published in the evaluation report shall be multiplied by a factor of **0.70** for installation temperatures that range between 0°F and 23°F (-18°C and -5°C).

The table below highlights the gel time and cure time associated with concrete temperatures between 0°F and 23°F (-18°C and -5°C). Installation instructions noted on the AT-3G cartridge label shall be followed.

AT-3G Cure Schedule			
Concrete Temperature Range		Gel Time	Cure Time
°F	°C	(minutes)	(hours)
0 to 23	-18 to -5	75	24

It is noted that the temperature of the AT-3G cartridge shall be at least 65°F (18°C) when used for anchor installations into concrete that is between 0°F and 23°F (-18°C and -5°C).

The information in this letter is valid until **01/20/26** when it will be re-evaluated by Simpson Strong-Tie. Please visit strongtie.com for additional pertinent information. If you have questions or need further assistance regarding this matter, please contact the Simpson Strong-Tie engineering department at 800.999.5099.

Sincerely,

SIMPSON STRONG-TIE COMPANY INC.