

AT-HP BLUE

Fast Cure Chemical Anchor With Colour Change Technology



NEW & IMPROVED FORMULA



Colour Change Technology
FAST CURE
Changes from blue to grey when cured



READY
SET
LOAD

AT-HP® Blue changes from blue to grey when cured. The colour change process gives a visual indication that the chemical anchor has cured and is ready to load.

Fast Cure Colour Change Technology

AT-HP® Blue is a vinylester chemical anchor for threaded rod and rebar into concrete and masonry. The fast curing, two-part adhesive changes colour from blue to grey when fully cured.

Material

- Vinylester formulation with colour change technology. Blue colour (wet), grey colour (cured).

Features and Benefits

- New improved formulation and foil cartridge design provides more durability and temperature resistance.
- Fast working curing times when early loading is required in time sensitive applications.
- Improved nozzle means less purging and less waste.
- Improved colour curing; the cured colour is much closer to the real colour of concrete.
- Usable in drinking water.
- High bond strength for medium to heavy loads.
- Suitable for use in cracked and non-cracked concrete.

Applications

- Post-installed rebar applications
- Threaded Rod Anchoring
- Balconies
- Facades
- Structural Steel
- Dry and Wet holes



Threaded Rod Anchoring



Rebar Doweling

Simpson Strong-Tie® Australia
Call **1300 STRONG** (1300 787 664)
www.strongtie.com.au

Simpson Strong-Tie® New Zealand
Call **09 477 4440**
www.strongtie.co.nz

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Installation

Concrete:



Drill hole to specified diameter and depth.

Clean hole by brushing and blowing alternately:

- Manual Air Cleaning: 4x blow/4x brush/4x blow for $d_0 \leq 24\text{mm}$ & $h_{ef} \leq 10d$.
- Compressed Air Cleaning: 2x blow/2x brush/2x blow for all drill hole diameters and depths (min. 6 bar compressed air).

CARTRIDGE PREPARATION: Open cartridge, attach supplied Simpson Strong-Tie nozzle to cartridge (Do not modify or use alternative nozzle), and insert cartridge into Simpson Strong-Tie dispensing tool. Dispense and **discard to the side, first 5cm of resin.**

Dispense adhesive until uniform colour appears. Inject resin using a Simpson Strong-Tie® dispensing tool. Fill hole two-thirds full, starting from bottom of hole, withdraw the nozzle after each trigger to prevent air pockets.

Insert clean, oil-free threaded rod/rebar, turning slowly until anchor/threaded rod reaches bottom of hole. The anchor can be loaded after the required curing time. Applied torque shall not exceed the values T_{max} .

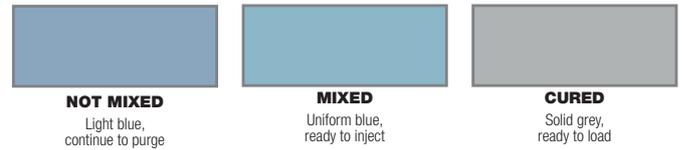
Working and Curing Time Schedule

T°C Concrete	Working Time	Curing time
+0°C ≤ T°C < +10°C	≤ 20 min	≥ 90 min
+10°C ≤ T°C < +20°C	≤ 9 min	≥ 60 min
+20°C ≤ T°C < +30°C	≤ 5 min	≥ 30 min
+30°C ≤ T°C ≤ +40°C	≤ 3 min	≥ 20 min

Let adhesive fully cure without disturbing. In wet concrete the curing time must be doubled. Cartridge temperature: ≥20°. The curing color proof is working above +5°C (only where applicable).

Colour Indicator Guide

Note: The curing colour proof works from +5°C.



Adhesive colours pictured may vary, use as a guide only. Refer to curing times listed.

Approvals

- ETA-23/0253 (Concrete - M8 to M24 / Rebar 8mm to 25mm)
- ETA-23/0255 (Rebar - 8mm to 12mm)
- ETA-23/0254 (Masonry - M6 to M12)
- Fire Rated R180
- Australia: Complies with AS5216 and NCC-National Construction Code
- New Zealand: BRANZ APPRAISAL No. 983 (8 May 2023)



Product Information

Model No.	Size (ml)	Box Qty	Individual Barcode	Box Barcode	Weight ea	Carton Dim. (W x L x H) and weight
AT-HP300BLUE	AT-HP Blue Vinylester Each tube includes 2 mixing nozzles	300	12	707392009306	10707392009303	567g 170 x 320 x 265mm, 6.8kgs



AT-HP300BLUE - Includes 2x Nozzles



Box - Includes 12x Tubes & 24x Nozzles



Point of Sale Box - available on request

Partner Products

Model No.	Description	Pack Qty.
MN1-RP10	Mixing nozzle suits AT-HP™ & VT-HP Adhesives, Pack of 10	10
DT300	Manual dispensing tool for 300 ml cartridges	1



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