



 **RED HEAD<sup>®</sup>**

**A7+**

# **SIMPLE CERTAINTY**

**MAXIMUM VERSATILITY  
INCREASES ANCHOR RELIABILITY  
AND JOBSITE PRODUCTIVITY**

**QUICK-CURE ADHESIVE ANCHOR FOR  
CONCRETE AND MASONRY APPLICATIONS**



# THE RELIABLE CHOICE NO LONGER REQUIRES A CHOICE

Finally, you can use one quick-cure adhesive for all your chemical anchoring needs—simplifying your work while ensuring maximum anchor reliability.

Red Head A7+ allows you to post-install threaded rod and rebar in the widest range of applications and environmental conditions. Its all-weather formula makes it ideal for outdoor civil infrastructure projects and other jobs involving wet jobsite conditions. It can be used for structural and nonstructural anchoring in concrete, block, and brick—making it perfect for construction and renovation projects employing mixed substrates.

The unique versatility of A7+ delivers maximum reliability and peace of mind. Engineers benefit from more design flexibility and builders benefit from enhanced jobsite productivity. Make the one easy choice for all your chemical anchoring needs.



# THE VERSATILITY OF **RED HEAD A7+**

## MORE TYPES OF CONCRETE AND MASONRY

-  Normal, Lightweight, and High-Strength Concrete
-  Cracked and Uncracked Concrete
-  Hollow and Grout-Filled Concrete Block
-  Brick, Stone, and Structural Clay Tile

## WIDER RANGE OF ENVIRONMENTAL CONDITIONS

-  Saturated Concrete
-  Water-Filled and Submerged Holes
-  Install from 14° to 110°F
-  Seismic Zones A-F

## BROADER VARIETY OF ANCHOR APPLICATIONS

Rebar Dowelling	Concrete Block Reinforcement
Structural Steel Framing	Seismic Retrofitting
Railings and Architectural Metal	Traffic Barriers and Guardrails
Brick Pinning	Machinery Anchoring

## ONE QUICK-CURE PRODUCT NOW DOES THE WORK OF MULTIPLE PRODUCTS

RED HEAD A7+ REPLACES THE NEED FOR SEPARATE ADHESIVE ANCHORS FOR LIGHT, MEDIUM, AND HEAVY-DUTY ANCHORING APPLICATIONS.



	HY200A (Accelerated)	AC200+	AT-XP
	HY200R (Regular)		
	HY100	AC100+ Gold	AT
	HY70 (Masonry)		
	HIT ICE (Cold Weather)	AC50 Silver	
HY-10 Plus			



# HOW OUR VERSATILITY **BENEFITS YOU**

## **INSTALL WITH CERTAINTY**

Less risk of anchor failure from installers choosing the wrong adhesive for the substrate or application

Less risk of anchor failure and rework from chemical anchors being installed in improper environmental conditions

Less risk that shortcuts in the drying process will reduce anchor reliability

## **BOOST YOUR PRODUCTIVITY**

Eliminate delays and schedule disruptions caused by adverse weather conditions

Speed up installation work since no time required for drying holes in wet conditions

Minimal odor allows for use indoors and in occupied buildings

Cures in 45 minutes (at 70°F) allowing loads to be applied more quickly

## **SIMPLIFY YOUR JOBSITE**

Fewer products to manage in your inventory and on your job site

Less training and oversight needed with only one product

Rigid cartridges withstand rough handling and rupturing, and can be resealed for use days and even weeks later



**VISIT [ITWREDHEAD.COM](http://ITWREDHEAD.COM)  
FOR MORE INFORMATION**

# RED HEAD A7+ SPECIFICATIONS

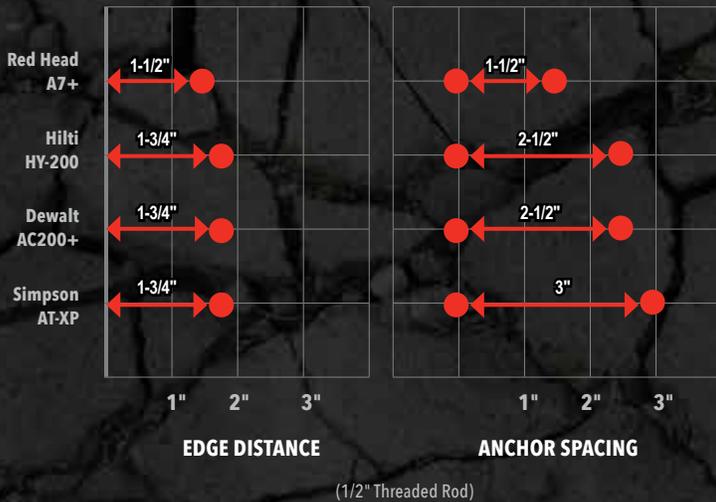
## RIGOROUSLY TESTED. WIDELY APPROVED

- Tested in accordance with ACI 355.4 and ICC-ES AC308
- 2006, 2009, 2012, 2015 IBC Compliant
- ICC-ES approved for cracked and uncracked concrete (ICC-ES ESR -3903)
- ICC-ES approved for masonry (ICC-ES ESR-3951)
- NSF/ANSI Standard 61 compliant
- ASTM C881, Types I, II, IV, and V, Grade 3, Classes A&B (meets Type III except elongation)
- Extensive Department of Transportation (DOT) listings
- Florida Building Code (FBC)
- City of Los Angeles (COLA)

Visit [itwredhead.com/engineering](http://itwredhead.com/engineering) for complete technical specifications and approvals.

## GREATER DESIGN FLEXIBILITY WITH MINIMUM EDGE DISTANCE

Look to Red Head A7+ to give you maximum flexibility with your designs and specifications. Industry-leading edge distance and anchor spacing requirements make your work simpler without reducing the certainty of a reliable installation.

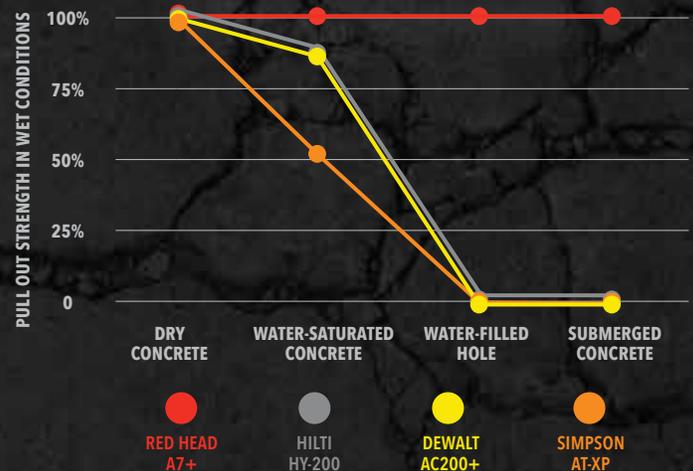


## COMMON TECHNICAL SPECIFICATIONS

VARIABLE	SPEC
PRODUCT DESCRIPTION	High-strength, quick-cure adhesive anchoring system
ADHESIVE TYPE	2-part injectable hybrid epoxy
CARTRIDGE TYPE AND SIZE	9.5 oz. standard caulking tube, 28 oz. dual cartridge, and 5 oz. co-axial cartridge
ANCHOR SIZE AND TYPE	Threaded rod: 1/4" - 1-1/2" Reinforcing bar: #3 - #11"
LOAD TYPE	Suitable for use in applications subject to short- and long-term sustained loads, including static, seismic and wind loads in tension or shear
WATER RESISTANCE	100% hydrophobic, suitable for use in saturated concrete and water-filled or submerged holes
HOLE ORIENTATION	Suitable for use with vertical down, horizontal and overhead anchors
HOLE SIZE	1/16" to 1/8" larger than diameter of rod / rebar
DRILL TYPES	Hammer or standard rotary drill using carbide-tipped bits. For instructions for use with diamond core drills, call Technical Service at (800) 848-5611
APPLICATION TEMPERATURE	14° to 110° F (-10° to 43° C)
IN-SERVICE TEMPERATURE	-41° to 176° F (-41° to 80° C)
WORKING (GEL) TIME	5 minutes at 70° F (21° C)
FULL CURE TIME	45 minutes at 70° F (21° C)
ADHESIVE COLOR	Gray when properly mixed
STORAGE LIFE AND TEMPERATURE	18 months from date of manufacture when stored in 32° to 95° F (0° to 35° C)
COUNTRY OF ORIGIN	Made in France (28 oz. and 5 oz. kits packaged in the US)

## SUPERIOR BOND STRENGTH EVEN IN THE WETTEST CONDITIONS

Red Head A7+ is versatile enough to be used in a variety of water-related conditions without a significant reduction in bond strength.



(#6 Rebar with Periodic Inspection)



# ORDERING INFORMATION



## RED HEAD A7+ ADHESIVE ANCHORS

PART NO.	DESCRIPTION	BOX QTY.
A7P-10	Red Head A7+ 9.5oz Cartridge W/ Nozzle	6
A7P-28	Red Head A7+ 28oz Cartridge W/ S55 Nozzle	4
A7P-500KIT	Red Head A7+ 5oz Kit W/ Hand Crank & Nozzle	8
A7P-501KIT	Red Head A7+ 5oz Kit W/ Reuse Piston & Nozzle	8

## DISPENSING TOOLS

PART NO.	DESCRIPTION	BOX QTY.
A100	10 oz. Dispensing Tool (for A7P-10)	1
A102	28 oz. Dispensing Tool (for A7P-28)	1
A200	28 oz. Pneumatic Dispensing Tool (for A7P-28)	1

## NOZZLES

PART NO.	DESCRIPTION	BOX QTY.
A24S	Short Nozzle (For 10 oz. Cartridge)	24
S55	Standard Nozzle (For 28 oz. Cartridge)	24
E55	Long Nozzle (For 28 oz. Cartridge)	24
S75	High-Flow Nozzle (For 28 oz. Cartridge)	24



## HOLE CLEANING ACCESSORIES

PART NO.	DESCRIPTION	BOX QTY.
BP-10	Manual Blow Pump	1
WB-038	Wire Brush for 3/8"	10
WB-012	Wire Brush for 1/2"	10
WB-058	Wire Brush for 5/8"	10
WB-034	Wire Brush for 3/4"	10
WB-078	Wire Brush for 7/8"	10
WB-100	Wire Brush for 1"	10
WB-125	Wire Brush for 1-1/4"	10
B012	1/2" Diameter Nylon Brush (Soft enough for Masonry applications)	1
ESDS-38	Wire Brush 12" usable extension with SDS+ Adaptor	1
EHAN-38	Wire brush 12" usable extension with T-Handle	1



## HORIZONTAL / OVERHEAD ACCESSORIES

PART NO.	DESCRIPTION	BOX QTY.
E25-6	6' Extension Tube	5
E916-6	Heavy Duty 6' Extension Tube (Fits Piston Plugs)	5
PL-5834	Piston Plug for 5/8" and 3/4" diameter anchors	10
PL-7810	Piston Plug for 7/8" and 1" diameter anchors	10
PL-1250	Piston Plug for 1-1/4" diameter anchors	10
HBP 38-8	3/8" Diameter by 8" length Nylon Screen	25
HB 34-8	3/4" Diameter by 8" length Stainless Steel Screen	20



## MASONRY ACCESSORIES

PART NO.	DESCRIPTION	BOX QTY.
HBU-38	Umbrella Anchor for Hollow Block	20
HBP 38-8	3/8" Diameter by 8" length Nylon Screen	25
HB 34-8	3/4" Diameter by 8" length Stainless Steel Screen	20

For a full list of Red Head accessories, including all screens, please see the Red Head catalog at [www.itwredhead.com](http://www.itwredhead.com)

## ONLINE RESOURCES FOR DESIGNERS

Red Head provides you with free software for designing concrete connections in compliance with ACI 318 Appendix D/ Chapter 17.



VISIT [ITWREDHEAD.COM/](http://ITWREDHEAD.COM/) TO DOWNLOAD OR USE TRUSPEC 2.0 ONLINE

- Design concrete anchoring connections in minutes
- Calculate critical values for total strength design of anchor connections
- Predict mode of failure for anchor connections
- Model attachment with single or multiple anchor points, minimum edge distance, and minimum spacing distance

## MOBILE RESOURCES FOR CONTRACTORS

Curious how many cartridges to order for your next job? Looking for an easier way to create submittals? Red Head is here for you—with an expanding set of mobile calculators and resources to simplify your job.

AVAILABLE NOW AT [ITWCCNA.COM/CALCULATOR](http://ITWCCNA.COM/CALCULATOR) AND ON THE APP STORE

- Adhesive cartridge calculator
- Product selector
- Submittal generator



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