

# Adhesive Competitive Matrix



APPLICATION	A7+	C6+	G5+	HY-70	HY-200 (A/R)	RE-500V3	ET-HP	AT-XP	SET-XP	AC100+ Gold	PURE 110+	PURE 50+
Uncracked concrete	●	●	●		●	●	●	IAPMO	●	●	●	●
Cracked concrete	●	●	●		●	●	●	IAPMO	●	●	●	●
Seismic Zones	A-F	A-F	A-F		A-F	A-F	A-F	A-F (IAPMO)	A-F	A-F	A-F	A-F
Grout filled block	●	●		●	●		IAPMO	IAPMO	IAPMO	●	○	
Hollow block	●	●		●					IAPMO	●	○	
Unreinforced brick	○	○		●			●			●		
Oversized holes	○	●	○			●					●	
Cored holes	○	●	○		○	●					●	
Structural Rebar (IBC Comp)		●				●					●	
Hollow Drill Bit	○	○	○			●		●	●	●	●	
Saturated(per ICC-ES)	●	●	●	○	●	●	●	IAPMO	●	●	●	●
Water-filled(per ICC-ES)	●	●	●			●				○	●	
Submerged(per ICC-ES)	●	●	●			●						
Overhead	●	●	●		●	●	●	●	●	●	○	

○ = May be applicable in limited designs

OTHER	A7+	C6+	G5+	HY-70	HY-200 (A/R)	RE-500V3	ET-HP	AT-XP	SET-XP	AC100+ Gold	PURE 110+	PURE 50+
Volume (fl oz)	5, 9.5, 28	8.5 & 20	22	11.1 & 16.9	11.1 & 16.9	11, 16.9, 47.3	25, 56	9.6, 12.5, 30	8.5, 22, 56	5, 8, 10, 12.5, 30	9, 13, 20, 21	9, 21, 51
Size(s) Compatible with Std Caulk Gun	9.5	8.5	-	-	-	-	-	9.4	8.5	5, 10	-	9
Installation Temperature Range	14-110°F	40-104°F	70-110°F	23-104°F	14-104°F	23-104°F	50-110°F	14-100°F	50-110°F	14-104°F	41-104°F	50-104°F
Cure Time @ 70°F	45 min	7 hr	24hr	30min	A - 30 min R - 60 min	6.5 hr	24 hr	60 min	24 hr	45 min	10 hr	8 hr
Gel Time @ 70°F	5 min	11 min	15 min	<4 min	A - 4 min R - 15 min	25 min	20 min	<4 min	45 min	6 min	30 min	25 min
Shelf Life	18 months	24 months	18 months	12 months	9 months	9 months	24 months	12 months	24 months	18 months	24 months	24 months
Min. Edge Distance (#4 rebar)	1-1/2"	1-1/2"	1"	4"	5d <sub>s</sub>	5d <sub>s</sub>	1-3/4"	1-3/4"	1-3/4"	1-3/4"	1-3/4"	5D <sub>s</sub>
Min. Spacing (#4 rebar)	1-1/2"	1-1/2"	1"	4"	2-1/2"	2-1/2"	3"	3"	3"	5d <sub>s</sub>	2-1/2"	2-1/2"
Made in	France	UK	USA	Germany	Germany	Germany	USA	USA	USA	Germany	Germany	Germany
Threaded Rod	3/8" - 1-1/2"	3/8" - 1-1/4"	3/8" - 1-1/4"	3/8"-3/4"	3/8" - 1-1/4"	3/8" - 1-1/4"	3/8" - 1-1/4"	3/8" - 1-1/4"	3/8" - 1-1/4"	3/8" - 1-1/4"	1/2" - 1-1/4"	3/8" - 1-1/4"
Rebar	#3 - #11	#3 - #10	#3 - #10	#3 - #6	#3 - #10	#3 - #10	#3 - #10	#3 - #10	#3 - #10	#3 - #10	#4 - #10	#3 - #10
Approvals/Listings	•2015, 2012, 2009, 2006 IBC •NSF •FL •COLA	•2015, 2012, 2009, 2006 IBC •NSF •FL •COLA	•2015, 2012, 2009, 2006 IBC •NSF •COLA	•2012, 2009 2006 IBC •NSF •COLA	•2015, 2012, 2009, 2006 IBC •NSF •COLA •FL	•2015, 2012, 2009, 2006 IBC •NSF •FL •COLA	•2015, 2012, 2009, 2006 IBC •NSF •FL •COLA	•2015, 2012, 2009, 2006 IBC •NSF •FL •COLA	•2015, 2012, 2009, 2006 IBC •NSF •FL •COLA	•2015, 2012, 2009, 2006 IBC •NSF	•2015, 2012, 2009, 2006 IBC •NSF	•2015, 2012, 2009, 2006 IBC •NSF

## TROUBLESHOOTING TIPS

**Do not use adhesive anchors with screw anchors or wedge anchors.**








Some people mistakenly think that if you use an adhesive anchor with a wedge anchor or a screw anchor, it will result in higher pull out strength. That is not true. Adhesive anchors are designed to be used with threaded rod and rebar. Using anything other than threaded rod or rebar will result in lower than published pull out values.

**Make sure the adhesive has NOT hardened in the nozzle before trying to dispense.**

Once adhesives are mixed, they have a gel time or working time after which the adhesive will harden and be very hard to pump. Sometimes people are using an adhesive, set it down for a period of time longer than the working time, and then come back and try to dispense the adhesive again. If the adhesive has hardened and you do not change the nozzle, the dispensing tool or the cartridge are likely to break. If you have let the partially used adhesive sit for longer than the working time, replace the nozzle before trying to dispense again.

**Store and dispense adhesive properly to avoid cartridge leakage.**

If not stored or dispensed properly, it is possible for adhesive anchors to leak out of the back or the front. Always check the cartridge label or SDS for proper storage conditions. As mentioned above, always make sure the adhesive is not hardened in the nozzle before dispensing. Always make sure you are using protective gloves and eyewear before working with adhesive anchors. If you come into contact with the material, refer to the SDS for first aid and other instructions.

				
<b>Quick Cure</b>	 A7P-28 and A7P-10	HY200A (Accelerated) HY200R (Regular) HY100 HY70 (Masonry) HIT ICE (Cold Weather) HY-10 PLUS	AC 200+ AC 100+ GOLD AC50 SILVER	AT-XP AT
<b>Slow Cure</b>	 C6P-15 AND CP6-30	RE500V3	PURE110+ PE-1000+	SET-XP
	 G5P-15 AND G5P-30	RE100 HTE-50	PURE 50+ PUREGP	ET-HP SET