

Approved/Qualified Products

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Concrete anchorages

Products on this list are not approved for ornamental railings or bridge applications. Not approved for sustained tensile-load (hanging from a ceiling) overhead applications. For non-bridge applications requiring an ultimate pullout of less than 5000 pounds. See [Bridge Products](#) list for anchorages approved for ornamental rail, safety barriers, and bridge applications. Larger diameter anchor rods or more embedment may be required. Chemical anchorage will be required on all horizontal applications.

Concrete Anchorages (4/19/2018)			
Product	Manufacturer	Type	Minimum Diameter and Minimum Embedment Depth for up to 5000 pounds
Ultrabond HS-1CC	Adhesives Technology Corp.	Adhesive/Epoxy	3/8" diameter, 3-1/2" embedment.
Ultrabond HS200	Adhesives Technology Corp.	Adhesive/Epoxy	3/8" diameter, 3-1/2" embedment. Use when temperature is below 60 F and allow 48 hours before loads.
Ultrabond 365CC	Adhesives Technology Corp.	Adhesive/Hybrid	3/8" diameter, 2" embedment.

Guidance

- [Qualification Process](#)

Contact

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Concrete anchorages - threaded rod applications

Not approved for sustained tensile-load (e.g. hanging a load from a ceiling) and/or overhead applications. All anchorages must be field tested as required by the contract regardless of nominal pullout requirements.

Min. uncracked characteristic bond strength of 1 KSI and min. cracked characteristic bond strength of 0.5										
Product	Manufacturer	Approval expiration	Approved threaded rod diameters						Hole type	
			1/2"	5/8"	3/4"	7/8"	1"	1 1/4"	Hammer-drilled	Core-drilled
Ultrabond 365CC	Adhesive Technology Corp.	4/26/2020	X	X	X				X	