



CALIFORNIA DEPARTMENT OF TRANSPORTATION

AUTHORIZED MATERIAL LIST FOR RESIN CAPSULE ANCHOR(S)

*HVU adhesive capsule is no longer manufactured by Hilti, inc. (8/2018)

*For current guidance, see DES Structural Design Alert, BDA 5-81 Anchorage to Concrete, dated May 11, 2020

Resin capsule anchors are intended for structural applications such as bonding threaded rod into horizontal and overhead holes in hardened concrete and are required to comply with Section 75-3.02C of the Standard Specifications.

The use of the resin capsule anchors is permitted, provided that the site and temperature conditions are suitable, and that the Engineer deems their general use appropriate. The presence of a product on this list does not relieve it from meeting the requirements of Section 6, "Control of Materials", in the Standard Specifications.

Manufacturer	Product Name	Concrete Temperature (Minimum)	Concrete Temperature (Maximum)	Set time, minutes ¹	Cure time, minutes	Reauthorization Date
Hilti, Inc.	HVU Adhesive Capsule	23°F	104°F	8	20	09/30/2020

¹ The installation time is based on information in the Manufacturer's product literature for 68°F. Set time is the minimum time needed for the adhesive to harden and support the anchor; cure time is the minimum time required before the anchor may be loaded.

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