

Hilti anchor rods HIT-V, HAS-U and HIT-C for anchorages with injection mortar system Hilti HIT

The ETAs for injection anchor systems Hilti HIT listed below specify anchor rods

- (1) **Hilti HIT-V**
- (2) **Hilti HAS-U**
- (3) Anchor rods with inspection certificate type 3.1 EN 1024:2004, e.g. **Hilti HIT-C**

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|---|-------------|-------------------|---|
| • | ETA-14/0457 | HIT-HY 170 | anchorages in cracked concrete (HIT-V) |
| • | ETA-19/0465 | HIT-HY 170 | anchorages in cracked concrete (HAS-U) |
| • | ETA-11/0493 | HIT-HY 200-A | anchorages in cracked concrete |
| • | ETA-12/0084 | HIT-HY 200-R | anchorages in cracked concrete |
| • | ETA-18/0837 | HIT-HY 200-A / -R | anchorages in cracked concrete
diamond drilling + roughening with Hilti TE-YRT |
| • | ETA-19/0601 | HIT-HY 200-R V3 | anchorages in cracked concrete |
| • | ETA-16/0143 | HIT-RE 500 V3 | anchorages in cracked concrete |
| • | ETA-15/0197 | HIT-HY 170 | anchorages in masonry (HIT-V) |
| • | ETA-19/0161 | HIT-HY 170 | anchorages in masonry (HAS-U) |
| • | ETA-13/1036 | HIT-HY 270 | anchorages in masonry (HIT-V) |
| • | ETA-19/0160 | HIT-HY 270 | anchorages in masonry (HAS-U) |
| • | ETA-16/0239 | HIT-MM Plus | anchorages in masonry |
| • | ETA-17/0199 | HIT-MM Plus | anchorages in uncracked concrete |
| • | ETA-11/0354 | HIT-CT 1 | anchorages in uncracked concrete |
| • | ETA-17/0005 | HIT-1 | anchorages in uncracked concrete |

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Hilti HIT-C anchor rods are produced and provided with the length required.
Hilti provides the inspection certificate type 3.1 related to the respective batch as needed.

The characteristic resistance values of the respective strength classes specified in the ETAs listed above are the same for Hilti HIT-V, HAS-U and Hilti HIT-C anchor rods subject to static and quasi-static solicitation.

For anchorages subject to seismic solicitation, performance category C2, the characteristic shear resistance values $V_{Rk,s,seis}$ for Hilti HIT-V 8.8, Hilti HAS-U 8.8 and Hilti HIT-C 8.8 are different in ETA-11/0493, ETA-12/0084, ETA-18/0837, ETA-19/0601 and ETA-16/0143.


This is also the case for anchorages with HIT-RE 500 V3 subject to seismic solicitation, performance category C1: ETA-16/0143

Conclusion:

Hilti HIT-C-anchor rods in combination with inspection certificate type 3.1 EN 1024:2004 and Hilti HIT-V-anchor rods are equivalent for anchorages with Hilti injection anchor systems HIT subject to static and quasi-static solicitation.

The ETAs listed above require to mark the planned anchorage depth on the HIT-V, HAS-U or HIT-C-anchor rods respectively before installing the anchor. This can be in the workshop or on jobsite, e.g. using a water-resistant pen.

Hilti Deutschland AG



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Approvals & Regulations
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