

EN

DECLARATION OF PERFORMANCE

DoP No. Hilti HIT-HY 200-A 0756-CPD-0457

1. Unique identification code of the product-type:

Injection System Hilti HIT-HY 200-A

2. Type, batch or serial number as required pursuant to Article 11(4):

See: ETA-11/0493 (20.06.2013), annex 1, 2.

Batch number: see packaging of the product.

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification:

Generic type	Bonded anchor, Injection System
For use in	Concrete (C20/25 to C50/60): bore holes made with hammer drilling or hollow drilling with Hilti TE-CD/TE-YD <ul style="list-style-type: none"> cracked: M8-M30, Ø10-32mm non-cracked: M8-M30, Ø8-32mm
Option / Category	Option 1 Seismic: Performance category C1
Loading	Static, quasi-static, seismic
Material	<p><u>Carbon steel</u>: For internal use only</p> <ul style="list-style-type: none"> HIT-HY 200-A + HZA (tension anchor): M12, M16, M20, M24, M27 <p><u>zinc coated steel</u>: For dry internal use only</p> <ul style="list-style-type: none"> HIT-HY 200-A + HIT-V(-F) (threaded rod): M8, M10, M12, M16, M20, M24, M27, M30 HIT-HY 200-A + HIS-N (internal sleeve): M8, M10, M12, M16, M20 <p><u>Stainless steel A4</u>: For internal and external use with no particular aggressive conditions</p> <ul style="list-style-type: none"> HIT-HY 200-A + HIT-V-R (threaded rod): M8, M10, M12, M16, M20, M24, M27, M30 HIT-HY 200-A + HIS-RN (internal sleeve): M8, M10, M12, M16, M20 HIT-HY 200-A + HZA-R (tension anchor): M12, M16, M20, M24 <p><u>High corrosion resistant steel</u>: For internal and external use with particular aggressive conditions</p> <ul style="list-style-type: none"> HIT-HY 200-A + HIT-V-HCR (threaded rod): M8, M10, M12, M16, M20, M24, M27, M30 <p><u>Rebar class B or C</u>: EN 1992-1-1 Annex C table C.1 and C.2N for properties of reinforcement (post installed reinforcing bars maybe used in accordance with the EOTA Technical Report TR 029 only)</p> <ul style="list-style-type: none"> HIT-HY 200-A + rebar Ø8, Ø10, Ø12, Ø14, Ø16, Ø20, Ø25, Ø26, Ø28, Ø30, Ø32
Temperature range (if applicable)	Range I: -40° to +40°C (short term), +24°C (long term) Range II: -40° to +80°C (short term), +50°C (long term) Range III: -40° to +120°C (short term), +72°C (long term)

4. Name, registered trade name or registered trade mark and contact address as required pursuant to Article 11(5):

Hilti Corporation, Business Unit Anchors, 9494 Schaan, Fürstentum Liechtenstein

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): -

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: *System 1*

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard -

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

- Technical Assessment Body: *Deutsches Institut für Bautechnik (DIBt)*
- European Technical Approval: ETA-11/0493 (20.06.2013)
- European Technical Approval Guideline: *ETAG 001 Part 1, 5*
- Certificate of Conformity: *0756-CPD-0457*

9. Declared performance:

Essential characteristics	Design method	Performance	Harmonized Technical Specification
Characteristic resistance for tension	EOTA TR 029 method: A	ETA-11/0493 annex 12, 15, 18, 21	<i>ETAG 001 Part 1, 5</i>
	EOTA TR 045 (seismic design)	ETA-11/0493 annex 24, 26, 28	
Characteristic resistance for shear	EOTA TR 029 method: A	ETA-11/0493 annex 13, 16, 19, 22	
	EOTA TR 045 (seismic design)	ETA-11/0493 annex 25, 27, 29	
Minimum spacing and minimum edge distance	EOTA TR 029 method: A	ETA-11/0493 annex 3 - 6	
	EOTA TR 045 (seismic design)		
Displacement for serviceability limit state	EOTA TR 029 method: A	ETA-11/0493 annex 14, 17, 20, 23 Error! Not a valid link.	
	EOTA TR 045 (seismic design)	ETA-11/0493 annex 25, 27, 29	

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:



Raimund Zaggl
Business Unit Head
Business Unit Anchors



Seppo Perämäki
Head of Quality
Business Unit Anchors

Hilti Corporation
Schaan, 05.05.2014



EN

DECLARATION OF PERFORMANCE

DoP No. Hilti HIT-HY 200-A rebar 0756-CPD-0458

1. Unique identification code of the product-type:

Injection System Hilti HIT-HY 200-A for rebar connections

2. Type, batch or serial number as required pursuant to Article 11(4):

See: ETA-11/0492 (05.06.2013), annex 1, 4, 6.

Batch number: see packaging of the product.

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification:

Generic type	Injection System, post-installed connections of reinforcing bars in existing structures by anchoring or overlap
For use in	concrete (C12/15 to C50/60), <ul style="list-style-type: none"> non-carbonated, maximum chloride 0.40%, bore holes made with hammer drilling, hollow drilling with Hilti TE-CD/TE-YD or compressed air drilling
Option / Category	-
Loading	predominantly static (tension anchor HZA-R: only for transmission of tensile forces in the direction of the bar axis)
Material	rebar class B or C: EN 1992-1-1 Annex C table C.1 and C.2N for properties of reinforcement <ul style="list-style-type: none"> HIT-HY 200-R + rebar: Ø8, Ø10, Ø12, Ø14, Ø16, Ø18, Ø20, Ø22, Ø24, Ø25, Ø26, Ø28, Ø30, Ø32 Stainless steel A4 + rebar: For internal and external use with no particular aggressive conditions <ul style="list-style-type: none"> HIT-HY 200-R + tension anchor HZA-R: M12, M16, M20, M24
Temperature range (if applicable)	-40° to +80°C (short term), +50°C (long term)

4. Name, registered trade name or registered trade mark and contact address as required pursuant to Article 11(5):

Hilti Corporation, Business Unit Anchors, 9494 Schaan, Fürstentum Liechtenstein

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): -

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: *System 1*

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard –

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

- Technical Assessment Body: *Deutsches Institut für Bautechnik (DIBt)*
- European Technical Assessment: *ETA-11/0492 (05.06.2013)*
- European Assessment Document: *ETAG 001 Part 1, 5; EOTA TR 023*
- Certificate of Conformity: *0756-CPD-0458*

9. Declared performance:

Essential characteristics	Design method	Performance	Harmonized Technical Specification
Minimum concrete cover	EN 1992-1-1:2004 + AC 2010 (EC2)	ETA-11/0492 annex 8	<i>ETAG 001 Part 1, 5</i> <i>EOTA TR 023</i>
Minimum anchorage lengths		ETA-11/0492 annex 4.3	
Ultimate bond resistance		ETA-11/0492 annex 2-7	

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:



Raimund Zaggi
Business Unit Head
Business Unit Anchors



Seppo Perämäki
Head of Quality
Business Unit Anchors

Hilti Corporation
Schaan, 05.05.2014



