

DECLARATION OF PERFORMANCE

No. 2873-CPR-201-68

1. Unique identification code of the product type:

Post-installed rebar connection Hilti HIT-RE 500 V4

2. Intended use/es:

Product	Intended use
Metal anchors for use in concrete	For fixing and/or supporting to concrete, structural elements (which contributes to the stability of the works) or heavy units.

3. Manufacturer:

Hilti Corporation Business Unit Anchors, 9494 Schaan, Principality of Liechtenstein

4. System/s of AVCP:

System 1

5. European Assessment Document

EAD 332402-00-0601

European Technical Assessment:

ETA-20/0539 (05.07.2022)

Technical Assessment Body:

CSTB – Centre Scientifique et Technique du Batiment

Notified body/ies:

2873 - IFSW Darmstadt

6. Declared performance/s:

Mechanical resistance and stability (BWR 1)

Essential characteristic	Performance
Resistance to combined pull-out and concrete failure in uncracked concrete	See Annex C2 & C3
Resistance to concrete cone failure	See Annex C1
Resistance to bond-splitting failure	See Annex C4

Safety in case of fire (BWR 2)

Essential characteristic	Performance
Reaction to fire	Anchorage satisfy requirements for class A1

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above

Signed for and on behalf of the manufacturer by:

Lars Taenzer
Business Unit Head
Business Unit Anchor

Jürgen Gebhard
Head of Quality
Business Unit Anchor



DECLARATION OF PERFORMANCE

No. 2873-CPR-201-66

1. Unique identification code of the product type:

Bonded screw fastener for use in concrete Hilti HIT-RE 500 V4

2. Intended use/es:

Product	Intended use
Metal anchors for use in concrete	For fixing and/or supporting to concrete, structural elements (which contributes to the stability of the works) or heavy units.

3. Manufacturer:

Hilti Corporation Business Unit Anchors, 9494 Schaan, Principality of Liechtenstein

4. System/s of AVCP:

System 1

5. European Assessment Document

EAD 330499-01-0601

European Technical Assessment:

ETA-20/0541 (09.06.2023)

Technical Assessment Body:

CSTB – Centre Scientifique et Technique du Batiment

Notified body/ies:

2873 - IFSW Darmstadt

6. Declared performance/s:

Mechanical resistance and stability (BWR 1)

Essential characteristic	Performance
Characteristic resistance for static and quasi static loads, displacements	See Annex C1 - C28
Characteristic resistance for seismic performance category C1	See Annex C29 - C35
Characteristic resistance for seismic performance category C2, displacements	See Annex C36 - C38

Safety in case of fire (BWR 2)

Essential characteristic	Performance
Reaction to fire	Anchorage satisfy requirements for class A1
Resistance to fire	See Annex C39 - C42

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above

Signed for and on behalf of the manufacturer by:

Lars Taenzer
Business Unit Head
Business Unit Anchor

Jürgen Gebhard
Head of Quality
Business Unit Anchor



DECLARATION OF PERFORMANCE

No. 2873-CPR-201-71

1. Unique identification code of the product type:

Post-installed rebar connection Hilti HIT-RE 500 V4

2. Intended use/es:

Product	Intended use
Metal anchors for use in concrete	For fixing and/or supporting to concrete, structural elements (which contributes to the stability of the works) or heavy units.

3. Manufacturer:

Hilti Corporation Business Unit Anchors, 9494 Schaan, Principality of Liechtenstein

4. System/s of AVCP:

System 1

5. European Assessment Document

EAD 330087-01-0601

European Technical Assessment:

ETA-20/0793 (26.11.2020)

Technical Assessment Body:

CSTB – Centre Scientifique et Technique du Batiment

Notified body/ies:

2873 - IFSW Darmstadt

6. Declared performance/s:

Mechanical resistance and stability (BWR 1)

Essential characteristic	Performance
Characteristic resistance under seismic action	See Annex C1 & C2

Safety in case of fire (BWR 2)

Essential characteristic	Performance
Reaction to fire	Anchorage satisfy requirements for class A1

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above

Signed for and on behalf of the manufacturer by:

Lars Taenzer
Business Unit Head
Business Unit Anchor

Jürgen Gebhard
Head of Quality
Business Unit Anchor

DECLARATION OF PERFORMANCE

No. 2873-CPR-201-67

1. Unique identification code of the product type:

Post-installed rebar connection Hilti HIT-RE 500 V4

2. Intended use/es:

Product	Intended use
Metal anchors for use in concrete	For fixing and/or supporting to concrete, structural elements (which contributes to the stability of the works) or heavy units.

3. Manufacturer:

Hilti Corporation Business Unit Anchors, 9494 Schaan, Principality of Liechtenstein

4. System/s of AVCP:

System 1

5. European Assessment Document

EAD 330087-01-0601

European Technical Assessment:

ETA-20/0540 (09.07.2021)

Technical Assessment Body:

CSTB – Centre Scientifique et Technique du Batiment

Notified body/ies:

2873 - IFSW Darmstadt

6. Declared performance/s:

Mechanical resistance and stability (BWR 1)

Essential characteristic	Performance
Characteristic resistance for static and quasi static loads	See Annex C1 - C3
Characteristic resistance under seismic action	See Annex C4 & C5

Safety in case of fire (BWR 2)

Essential characteristic	Performance
Reaction to fire	Anchorage satisfy requirements for class A1
Resistance to fire	See Annex C6 & C7

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above

Signed for and on behalf of the manufacturer by:

Lars Taenzer
Business Unit Head
Business Unit Anchor

Jürgen Gebhard
Head of Quality
Business Unit Anchor

DECLARATION OF PERFORMANCE

No. 2873-CPR-201-75

1. Unique identification code of the product type:

Glued-in rods for timber connections Hilti HIT-RE 500 V4

2. Intended use/es:

Product	Intended use
Glued-in rods for timber connections	Connecting wood to wood, wood to steel or wood to concrete

3. Manufacturer:

Hilti Corporation Business Unit Anchors, 9494 Schaan, Principality of Liechtenstein

4. System/s of AVCP:

System 1

5. European Assessment Document

EAD 130006-00-0304

European Technical Assessment:

ETA-20/0834 (16.11.2020)

Technical Assessment Body:

OIB - Österreichisches Institut für Bautechnik

Notified body/ies:

2873 - IFSW Darmstadt

6. Declared performance/s:**Mechanical resistance and stability (BWR 1)**

Essential characteristic	Performance
Bond strength of adhesive-wood interface	See Annex Annex 2
Pulling resistance (Bond shear strength of glued-in steel rods)	See Annex Annex 2
Creep and duration of load	See Annex Annex 2
Bond creep rupture test at very high and low moisture content	See Annex Annex 2
Bond temperature resistance	See Annex Annex 2

Safety in case of fire (BWR 2)

Essential characteristic	Performance
Reaction to fire	Anchorage satisfy requirements for class Annex 2

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above

Signed for and on behalf of the manufacturer by:

Lars Taenzer
Business Unit Head
Business Unit Anchor

Jürgen Gebhard
Head of Quality
Business Unit Anchor