

# 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
Post-installed rebar connection	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-v02

**European Technical Assessment:**

ETA-20/0539 (13.12.2023)

**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
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 & C5

**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:**  
Injection system 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 330499-02-0601  
**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
Post-installed rebar connection	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 (13.12.2023)

**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	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 3

**5. European Assessment Document**

EAD 130006-00-0304

**European Technical Assessment:**

ETA-20/0834 (13.11.2023)

**Technical Assessment Body:**

OIB - Österreichisches Institut für Bautechnik

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

Essential characteristic	Performance
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
Bond strength in longitudinal tensile shear strength	See Annex Annex 2
Resistance to delamination	See Annex Annex 2
Effect of wood shrinkage on the shear strength	See Annex Annex 2
Effect of compression shear and climatic changes	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

