

# Declaration of Performance (DoP)

according to Annex III of the Regulation (EU) No. 305/2011

## HENSOTHERM® 310 KS

### DoP No. EN 2016-02-002 HENSOTHERM® 310 KS outdoor

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|--|---|
| 1. <b>Product Type</b><br>Unique identification code of the product-type   | <b>HENSOTHERM® 310 KS outdoor</b>   |
| 2. <b>Type</b><br>Batch or serial number or any other element allowing identification of the construction product as required under Article 11(4)                            | see the label on the bucket   |
| 3. <b>Intended use</b><br>or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer         | Fire protection of steel structures with H- or I-profiles (columns and beams) for fire resistance up to 120 minutes and hollow sections (rectangular and circular) for fire resistance up to 60 minutes according to EN 13501-2 and for design temperatures from 350 °C up to 750 °C. |
| 4. <b>Name, registered trade name</b><br>or registered trade mark and contact address of the manufacturer as required under Article 11(5)                                    | Rudolf Hensel GmbH   Lack- und Farbenfabrik, Lauenburger Landstraße 11, 21039 Börnsen, Germany  |
| 5. <b>Contact Address</b><br>where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2)           | not relevant (see 4.)   |
| 6. <b>AVCP</b><br>System or systems of assessment and verification of constancy of performance (AVCP) of the construction product as set out in CPR, Annex V                 | System 1  |
| 7. <b>Notified body (hEN)</b><br>In case of the declaration of performance (DoP) concerning a production product covered by a harmonized standard                            | not relevant  |
| 8. <b>Notified Body (ETA)</b><br>In case of the declaration of performance concerning a construction product for which a European Technical Assessment (ETA) has been issued | European technical approval ETA 11/0456 issued by Warrington Certification Ltd. on the basis of ETAG 018-1 and ETAG 018-2. The notified body 1121-CPD performed third party tasks as set out in Annex V under system 1 and issued certificate of conformity 1121-CPD GA 5009.         |

## RUDOLF HENSEL GMBH

Lack- und Farbenfabrik

Lauenburger Landstraße 11  
21039 Börnsen | Germany

Tel. +49 (0)40 72 10 62-10  
Fax +49 (0)40 72 10 62-52

E-Mail: [info@rudolf-hensel.de](mailto:info@rudolf-hensel.de)  
Internet: [www.rudolf-hensel.de](http://www.rudolf-hensel.de)



9. Declared Performance

Essential characteristics	Performance	Technical specification
Mechanical resistance and stability	NPD	ETAG 018-2
Resistance to fire	R15 up to R120 Annex A ETA 11/0456	EN 13381-8 respectively EN 13501-2
Reaction to fire	Fire rating class E	EN 13501-1
Release of dangerous substances	The product specification has been compared with Annex XVII of REACH and the ECHA candidate list of Substances of Very High Concern and it does not contain such substances	
Safety in use	NPD	
Protection against noise	NPD	
Energy, Economy and Heat Retention	NPD	
Primer compatibility	<i>Steel substrates</i> -Alkyd resin, solvent based -Two component epoxy resin, solvent based <i>Galvanized steel substrates</i> -Two component epoxy resin, solvent based	ETAG 018-2
Top coat compatibility	HENSOTOP 84, HENSOTOP SB, HENSOTOP 84 AUSSEN, HENSOTOP 2K PU, Teknocryl 100	ETAG 018-2
durability	Type X, Y, Z1 and Z2	ETAG 018-2

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 (DoP) is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for the manufacturer and on behalf of the manufacturer:



Volker Thewes  
Managing Director



ppa. Anja Peter (Dipl.-Ing. FH)  
Technical Director

Börnsen, February 4, 2016

**Note:** Besides the declaration of performance our approvals, technical data sheets and material safety data sheets for our HENSOTHERM® and HENSOMASTIK® products are available as pdf download on [www.rudolf-hensel.de](http://www.rudolf-hensel.de)  
For further questions concerning our products, our technical team is available by phone +49 (0)40 / 72 10 62-48.

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