

Declaration of Performance

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

HENSOTHERM® 421 KS

DoP No. GB 2016-06-001 HENSOTHERM® 421 KS

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| <p>1. Product Type
Unique identification code of the product-type</p> | <p>HENSOTHERM® 421 KS</p> |
| <p>2. Type
Batch or serial number or any other element allowing identification of the construction product as required under Article 11(4)</p> | <p>See the label on the bucket</p> |
| <p>3. Intended use
or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer</p> | <p>Fire protection of steel structures with H- or I- profiles (columns and beams) up to 150 minutes and rectangular hollow sections for fire resistance up to 180 minutes according to EN 13501-2 and for design temperatures from 350 °C up to 750 °C.</p> |
| <p>4. Name, registered trade name
or registered trade mark and contact address of the manufacturer as required under Article 11(5)</p> | <p>Rudolf Hensel GmbH, Lack- und Farbenfabrik,
Lauenburger Landstraße 11
21039 Börnsen Germany</p> |
| <p>5. Contact Address
Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2)</p> | <p>Not relevant (see 4.)</p> |
| <p>6. AVCP
System or systems of assessment and verification of constancy of performance (AVCP) of the construction product as set out in CPR, Annex V</p> | <p>System 1</p> |
| <p>7. Notified body (hEN)
In case of the declaration of performance (DoP) concerning a production product covered by a harmonized standard</p> | <p>Not relevant</p> |
| <p>8. Notified Body (ETA)
In case of the declaration of performance concerning a construction product for which a European Technical Assessment (ETA) has been issued</p> | <p>European technical approval ETA-16/0251 issued by Warrington Certification Ltd. based on ETAG 018-1 edition April 2013 and ETAG 018-2 edition November 2011. 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 5028.</p> |

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9. Declared Performance

Essential characteristics	Performance	Technical specification
Mechanical resistance and stability	NPD	ETAG 018-2
Resistance to fire	R15 up to R180 Annex A ETA 16/0251	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	Steel substrates: - Alkyd resin, solvent-based - Two component epoxy resin, solvent-based - Water-based acrylic Galvanized steel substrates: - Two component epoxy resin, solvent-based - Water-based acrylic	ETAG 018-2
Top coat compatibility	HENSOTOP 84, HENSOTOP 84 AQ, HENSOTOP WB, HENSOTOP SB, HENSOTOP 2K PU, Teknocryl 100	ETAG 018-2
Durability	Type X, Y, Z2 and Z1	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) 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, 6th of June 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
For further questions concerning our products, our technical team is available by phone +49 40 72 10 62-48.

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