

Declaration of Performance

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

HENSOTHERM® 410 KS

LE_410KS_GB_V04_01

1. Product Type Unique identification code of the product type	HENSOTHERM® 410 KS
2. Type Batch or serial number or any other element allowing identification of the construction product as required under Article 11 (4)	See label on the bucket
3. Indented Use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer	Fire protection of structural steel H- or I beams and columns and rectangular/square hollow columns and circular hollow columns for up to a fire resistance classification of R90, and for design temperatures in the range of 350°C to 750°C.
4. Name, registered Trade Name 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. Contact Address Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12 (2)	Not relevant (see 4)
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	System 1
7. Notified Body (hEN) In case of the Declaration of Performance (DoP) concerning a production product covered by a harmonised standard	Not relevant
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	European Technical Assessment ETA 20/1229 issued by Element Materials Technology Rotterdam B.V. EAD 350402-00-1106 was used as European Assessment Document (EAD). The notified body 2812 performed third party tasks as set out in Annex V under System 1 and issued Certificate of Conformity 2812-CPR-GA5008.

9. Declared Performance

Assessment method	Essential characteristic	Product performance
BASIC WORKS REQUIREMENT 2: SAFETY IN CASE OF FIRE		
EN 13501-1	Reaction to fire	Class E
EN 13501-2	Fire resistance	(R15 to R90) – IncSlow (I/H Beams and Columns) and (R15 to R90) – IncSlow (Hollow Columns) (see Annex A ETA 20/1229)
BASIC WORKS REQUIREMENT 3: HYGIENE, HEALTH AND THE ENVIRONMENT		
Manufacturer's declaration and EN 16516	Content, emission and or release of dangerous substances	Product specification doesn't contain dangerous substances given in Annex XVII of REACH and the ECHA Candidate List of Substances of Very High Concern Use categories: IA1 and S/W2 Results for reactive coating emission tests are below:
	3 Days	28 Days
	Restriction	Restriction
R-Value	N/A	≤ 1
TVOC	≤ 10000 µg/m ³	≤ 1000 µg/m ³
TSVOC	N/A	≤ 100 µm/m ³
Non LCI	N/A	≤ 100 µg/m ³
	HENSOTHERM® 410 KS	HENSOTHERM® 410 KS
	-	-
	≤ 10000 µg/m ³	≤ 1000 µg/m ³
	-	-
	-	-
	-	-
BASIC WORKS REQUIREMENT 4: SAFETY AND ACCESSIBILITY IN USE		
EAD 350402-00-1106 Clause 2.2.4 and Clause 2.2.5	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
	Top coat compatibility	HENSOTOP 84, HENSOTOP 84 AQ, HENSOTOP SB, HENSOTOP WB, HENSOTOP 2K PU, HENSOTOP WB Green, Teknocryl 100
	Durability	Type X durability Type Y durability Type Z ₁ durability Type Z ₂ durability
	Working life	25 years for type Z ₂ (indoor use)
EAD 350402-00-1106 Clause 2.3.5	Identification	Thermoanalytical analyses (TG) and Infrared spectroscopy analyses (IR)

10. The performance of the product identified in point 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.

Note:

Besides the Declaration of Performance assessments, 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 721062-48.

Signed for the manufacturer and on behalf of the manufacturer:

Börnsen, 2021-05-04



Volker Thewes
Managing Director



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

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