



FIRE PROTECTION SYSTEM FOR JOINTS

TECHNICAL DATA SHEET HENSOMASTIK® 5 KS viskos
as seal and as membrane

- Flexible and elastoplastic ceiling joints and edge joints up to 100mm width
- For indoor and outdoor application without primer
- Fire resistance rate up to EI240 and 25% shear movement
- Classification report no.: KB 3.2/12-275-2 / building material approval abZ No.: Z-19.11-1246



HENSOMASTIK® 5 KS viskos JOINTS

Benefits



Environmental Benefits

- Water-based ablative coating
- Non-VOC acc. to ISO 11890-2, LEED confirmed
- Free from halogens, APEO (alkylphenol ethoxylates), borates and plasticizers
- Tested according to AgBB test criteria for VOC emissions from building products relevant to indoor spaces.
- Environmental product declaration No. EPD-RHG-20140204-IAA1-DE for HENSOMASTIK® 5 KS
- Registration for HENSOMASTIK® 5 KS in the DGNB Navigator: CDDWRA

Germany: The tested product complies with the requirements of DIBt (October 2010) and AgBB (June 2012).

France: CMR-Substances: The tested product fulfills the requirements of the French regulation DEVP0908633A of 30 April 2009 and DEVP0910046A of 28 May 2009.

VOC-emission classification: The tested product is classified to VOC-emission class A+.

This recommendation is based on the French regulations of March 23, 2011 (décret DEVL1101903D) and of April 19, 2011 (arrête DEVL1104875A).

Belgium: The tested product complies with the requirements of the "Royal Decree for establishing threshold levels for the emissions to the indoor environment from construction products for certain intended uses (draft December 2012)."

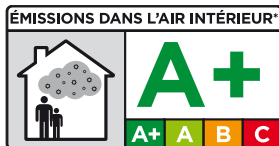
Technical Performance / Product Characteristics

- Solvent-free, APEO-, halogens-, borates- and plasticizers-free
- Resistant to mechanical stress
- Impermeable to water according to DIN 1048
- Resistant to oil and petrol spills
- Weather resistant / UV-resistant according to DIN 53 384
- After through drying temperature resistant down to -40 °C



Our **HENSOTHERM®** and **HENSOMASTIK®** fire protection coating systems are developed and manufactured exclusively at our company base in Börnsen near Hamburg.

QUALITY MARKS



TECHNICAL INFORMATION

Approval / Classification

- German building material approval: abZ Nr. Z-19.11-1246
- Classification report No.: KB 3.2/12-275-2
- Environmental Product Declaration No. EPD-RHG-20140204-IAA1-EN
- Registered in DNGB Navigator: CDDWRA

Application Area

- Indoor and outdoor use acc. to ETAG 026 cat. X
- Edge- and Ceiling joints between ceiling components and load-bearing, resp. non-load-bearing, separating walls made of concrete, reinforced concrete, cellular concrete, sand-lime brick and masonry
- **Joint sealing EI 180 – EI 240 in ceilings** (fig. left on the heading)
Joint width up to 100 mm, see abP No. P3193/4829 MPA BS
- **Membrane EI 90 – EI 240 in ceilings** (fig. right on the heading)
Joint width up to 75 mm, see KB Nr. KB 3.2/12-275-2

Properties

- Solvent-free, APEO-, halogens-, borates- and plasticizers-free
- Resistant to mechanical stress
- Impermeable to water according to DIN 1048
- Resistant to oil and petrol spills
- Weather resistant / UV-resistant according to DIN 53 384
- After through drying temperature resistant down to -40 °C

Application

- Filling of joints with joint material acc. to classification report No.: KB 3.2/12-275-2
- Mineral fibre Termarock 50, $\geq 50 \text{ kg/m}^3$, A1
- Coating of mineral wool with HENSOMASTIK® 5 KS viskos, dry film thickness (DFT) $\geq 2000 \mu\text{m}$
- Check surface for appropriate adhesion: it should be free from dust, dirt, grease, wax or other separating layers
- Material temperature $> +15^\circ\text{C}$
- During application process and drying time, material, surface and air temperature must be between $+8^\circ\text{C}$ and $+30^\circ\text{C}$
- Cleaning of equipment after use with water

Packing

25 kg plastic pails; other sizes on request

Storage and Transport

- Storage free from frost
- Shelf life: 12 month in unopened containers

Precautions for Safety Use

Use HENSOMASTIK® 5 KS viskos in accordance with all applicable local and national regulations.

Giscode: M-DF01

Environment, Health and Safety

As regulations are often revised please request for the actual Material Safety Data Sheet before using the product.

Design of HENSOMASTIK® 5 KS viskos as MEMBRANE

HENSOMASTIK® 5 KS viskos – horizontal joints

Membranes at ceiling thickness $\geq 125 \text{ mm}$

Concrete, hollow blocks, masonry, density $> 400 \text{ kg/m}^3$

Membrane	Integrity / Insulation	Classification acc. to DIN EN 13501-2: 2010-02, para. 7.5.9	Field of application acc. to DIN EN 1366-4: 2010-08			
			Orientation	Position	Shear movement	Joint width
Membrane	Integrity (E) and Insulation (I)	EI 120 - H - M 25,0 - F - W 12	A, D, E	2	$\leq 25\%$	12 mm
Membrane	Integrity (E)	E 120 - H - M 25,0 - F - W > 12 to 75	A, D, E	2	$\leq 25\%$	$>12 - 75 \text{ mm}$

Membranes at ceiling thickness $\geq 200 \text{ mm}$

Concrete, hollow blocks, masonry, density $> 400 \text{ kg/m}^3$

Membrane	Integrity / Insulation	Classification acc. to DIN EN 13501-2: 2010-02, para. 7.5.9	Field of application acc. to DIN EN 1366-4: 2010-08			
			Orientation	Position	Shear movement	Joint width
Membrane	Integrity (E) and Insulation (I)	EI 240 - H - M 25,0 - F - W 12	A, D, E	2	$\leq 25\%$	12 mm
Membrane	Integrity (E) and Insulation (I)	EI 90 - H - M 25,0 - F - W > 12 to 75	A, D, E	2	$\leq 25\%$	$>12 - 75 \text{ mm}$

Design of HENSOMASTIK® 5 KS viskos as JOINT SEALING

HENSOMASTIK® 5 KS viskos – horizontal joints

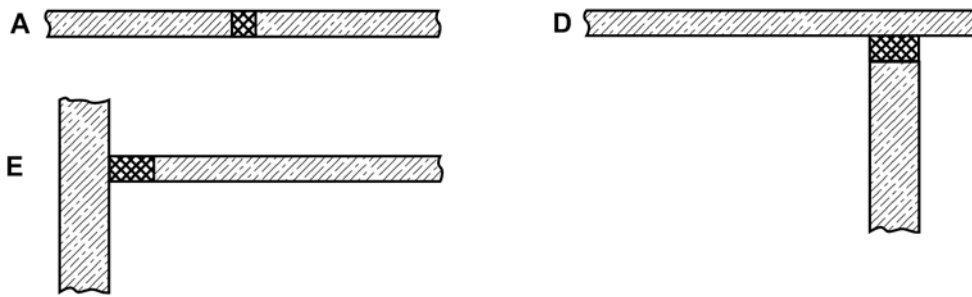
Joints at ceiling thickness $\geq 200 \text{ mm}$

Concrete, hollow blocks, masonry, density $> 400 \text{ kg/m}^3$

Joints	Integrity / Insulation	Classification acc. to DIN EN 13501-2: 2010-02, para. 7.5.9	Field of application acc. to DIN EN 1366-4: 2010-08			
			Orientation	Position	Shear movement	Joint width
Joints	Integrity (E) and Insulation (I)	EI 240 - H - X - F - W 12	A, D	2	$\leq 7,5\%$	12 mm
Joints	Integrity (E) and Insulation (I)	EI 180 - H - X - F - W > 12 to 100	A, D	2	$\leq 7,5\%$	$>12 - 100 \text{ mm}$

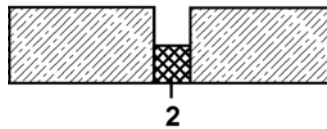
TECHNICAL INFORMATION

Joint orientation



A: ceiling - ceiling / horizontal D: ceiling - wall / horizontal E: wall - ceiling / horizontal

Position of the joint seal



Our customer services will be pleased to assist you with your enquiries!
Complete product portfolios and further details can be downloaded from: www.rudolf-hensel.de

The information provided herein reflects the current state of our technical testing and experience with the use of this product. However, the buyer/user is hereby not relieved of their duty, at their own responsibility, to properly examine our materials for their suitability for the intended use based on the respective site conditions. Legal claims for damages arising from the use of this product for purposes other than, or in a manner that differs from, the description contained herein without our prior written approval are precluded and may not be asserted against us. In light of the circumstance that we have no influence over site conditions and various factors that could influence the performance and use of our product, a guarantee of results or liability, regardless of legal grounds, cannot be derived from this information or from verbal consultation provided by one of our employees unless we may be accused of intent or gross negligence. Our General Terms and Conditions apply for all other purposes. The most recent version of our technical data sheet is valid and may be requested from the Rudolf Hensel GmbH or downloaded at www.rudolf-hensel.de.

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