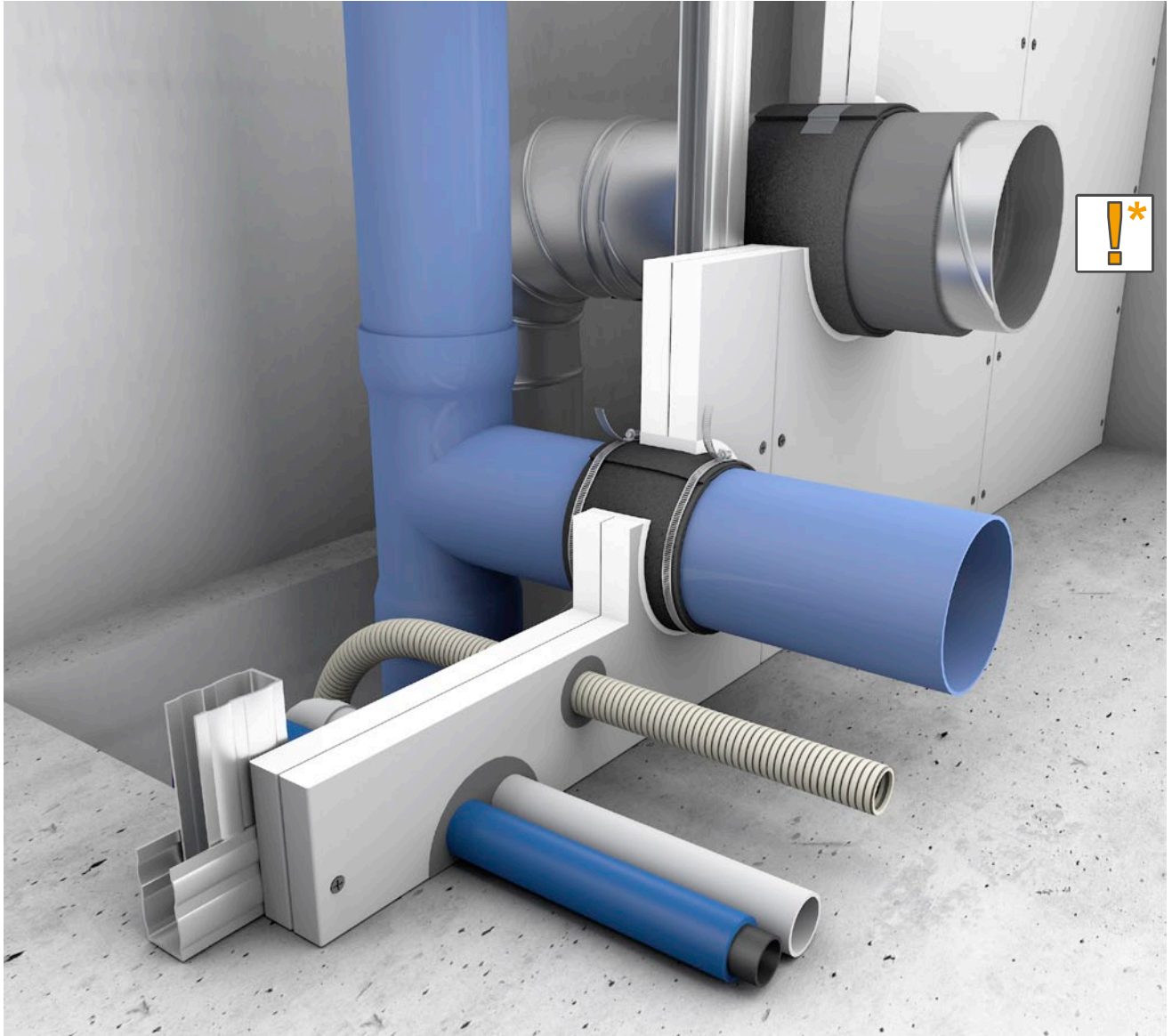


HENSOTHERM®

HENSOTHERM® 7 KS Gewebe 100 | HENSOTHERM® 7 KS viskos
Fire protection solutions for shaft walls ≥ 40 mm



Technical Data Sheet / Assembly instructions

HENSOTHERM® 7 KS Gewebe 100 | HENSOTHERM® 7 KS viskos for use in shaft walls

- **HENSOTHERM® 7 KS Gewebe 100** intumescent endless pipe wrap for the penetration sealing of combustible pipes and ventilation pipes (acc. to UL ASSESSMENT REPORT Project No.: 4788658260 Rev.1) in shaft walls ≥ 40 mm
- **HENSOTHERM® 7 KS viskos** intumescent sealant compound for the penetration sealing of combustible pipes in shaft walls ≥ 40 mm
- For use in internal shaft walls ≥ 40 mm
- ETA 18/0731 [*excluding ventilation pipes; application see page 3]
- Tested in accordance to EN 1366-3
- Tested up to fire resistance class EI90
- Utility model submitted

TECHNICAL INFORMATION

Approval/classification

- ETA 18/0731
- Tested in accordance to EN 1366-3
- Utility model submitted

Field of application

- Penetration sealing of combustible pipes and ventilation pipes in shaft walls / single-plank walls ≥ 40 mm
- For use in classified single-plank walls (min. 90 minutes)
- Fire resistance class up to EI 90
- Wall thickness $\geq 2 \times 20$ mm GPR panel
- Pipe end configuration and insulation according to following tables

Packaging units

- HENSOTHERM® 7 KS Gewebe 100: Fabric on roll, 100 mm wide, 1 mm thick, and 10 m long (1 roll/carton)
- HENSOTHERM® 7 KS viskos: 310 ml cartridge (single or 20 x/carton)

Precautions for Safety Use

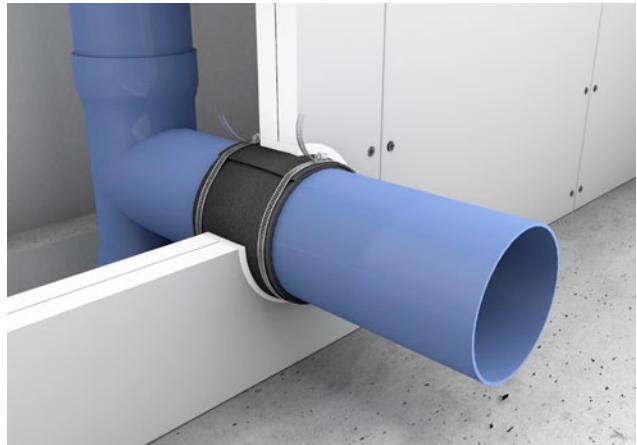
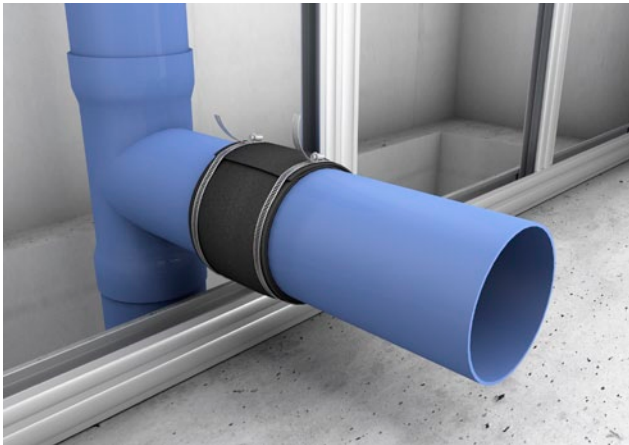
Use HENSOTHERM® 7 KS Gewebe 100 and HENSOTHERM® 7 KS viskos in accordance with all applicable local and national regulations.

Environment, Health and Safety

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

Wall installation | Incombustible pipes / combustible pipes

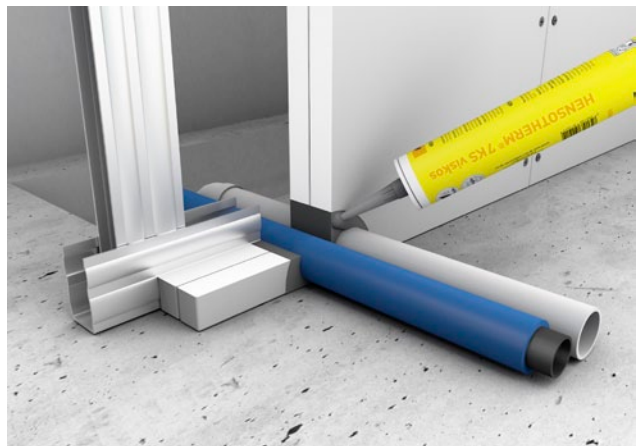
The appropriate number of **HENSOTHERM® 7 KS Gewebe 100** layers are wrapped around the combustible pipe or its insulation and aligned to project 30 mm beyond the component's surface. Both sides are fixed in addition with pipe clips.



The annular gap is sealed with a gypsum filler (A1) through the whole thickness of the wall.

Combustible pipes not projecting from floor | Installation instructions HENSOTHERM® 7 KS viskos

The hollow cavity in the annular gap is filled with the sealant compound **HENSOTHERM® 7 KS viskos** for combustible pipes installed directly on the floor. See table for annular gap sizes and technical data sheet for processing.



Ventilation pipes | Installation instructions HENSOTHERM® 7 KS Gewebe 100

The appropriate number of HENSOTHERM® 7 KS Gewebe 100 layers are wrapped around the vent stack's insulation, secured with duct tape, and aligned to project 30 mm beyond the component's surface. No additional securing is necessary. The ventilation pipe must be additionally protected with an internal fire protection element.

Note: Fire protection for ventilation pipes has to be coordinated with the national and/or local authorities, fire protection experts and/or architects.



The annular gap is sealed with a gypsum filler (A1) through the whole thickness of the wall.

HENSOTHERM® 7 KS Gewebe 100 / HENSOTHERM® 7 KS Gewebe 100, installed at the centre, 30mm projection on both sides.

Pipe	Pipe diameter (mm)	Wall thickness (mm)	HENSOTHERM® 7 KS Gewebe 100 layers	Material requirements (length in m)	Classification	
Combustible pipes¹⁾ Annular gap 10–20 mm	POLO-KAL NG ³⁾	75	2.6	4	1.25 m	EI 90 U/U
	POLO-KAL NG ³⁾	110	3.4	6	2.55 m	EI 60 U/U
	POLO-KAL NG ³⁾	110	3.4	6	2.55 m	EI 90 U/U
	POLO-KAL XS ³⁾	75	2.6	4	1.25 m	EI 90 U/U
	POLO-KAL XS ³⁾	110	3.4	6	2.55 m	EI 90 U/U
	Geberit Silent PP ³⁾	75	2.6	4	1.25 m	EI 90 U/U
	Geberit Silent PP ³⁾	75	2.6	4	1.25 m	EI 60 U/U
³⁾ with socket	Geberit Silent PP ³⁾	110	3.6	6	2.55 m	EI 90 U/U
Vent stacks²⁾ Annular gap 10–20 mm	Metal line	125	0.6	2	1.10 m	EI 90 U/U

¹⁾ For combustible pipes, secured on both sides with pipe clips. Annular gap sealed with gypsum filler (A1).

²⁾ Ventilation pipes insulated with synthetic rubber Armaflex AF (19 mm / CS), acc. to UL ASSESSMENT REPORT Project no.: 4788658260 Rev. 1

HENSOTHERM® 7 KS viskos / Annular gap sealed with HENSOTHERM® 7 KS viskos

Pipe	Pipe diameter (mm)	Wall thickness (mm)	Insulation / thickness / length	Classification	
Combustible pipes Annular gap ≥ 15 mm	POLO-KAL NG ³⁾	50	2.0	—	EI 90 U/U
	POLO-KAL XS ³⁾	50	2.0	—	EI 90 U/U
	³⁾ with socket	Geberit Silent PP ³⁾	50	1.8	—
Alubond pipes Annular gap ≥ 15 mm	Geberit Mepla	25	3.0	PE / 9.0 mm / CS	EI 90 U/C
	Geberit Mepla	25	3.0	—	EI 90 U/C
	Geberit Mepla	32	3.0	—	EI 90 U/C
	Kekelit Kelox	25	2.5	PE / 9.0 mm / CS	EI 90 U/C
	Kekelit Kelox	25	2.5	—	EI 90 U/C
	Kekelit Kelox	32	3.0	—	EI 90 U/C
Flexible tubes / cables Annular gap ≥ 15 mm	Conduits	32	—	—	EI 90 C/C

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Complete product portfolios and further details can be downloaded from www.rudolf-hensel.com

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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

Email: contact@rudolf-hensel.com
Internet: www.rudolf-hensel.com

Extensions:
Orders: -40
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