

Technical Data Sheet

HENSOTHERM® Kitt



Water-based sealant for penetration seal and linear joint seal

Approval

- Classified according to EN 13501-2
- CE Mark ETA 19/0748 and 19/0749

Applications

HENSOTHERM® Kitt should be used in all internal situations where a low movement fire resistant and/or acoustic joint or seal is required including:

- Construction joints in fire separating walls and floors.
- Acoustic seals around the perimeter of both fire and non-fire rated dry lining partitions.
- Gaps around metallic pipes and cable service penetrations.
- Fire Stopping and Fire Sealing product for fire compartmentation and/or fire protection or fire performance.

Characteristics and Features

HENSOTHERM® Kitt is a flexible white acrylic sealant especially formulated to provide excellent fire resistance and acoustic performance.

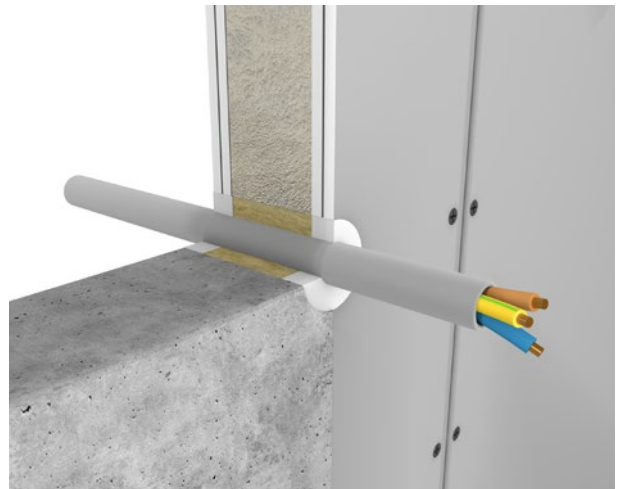
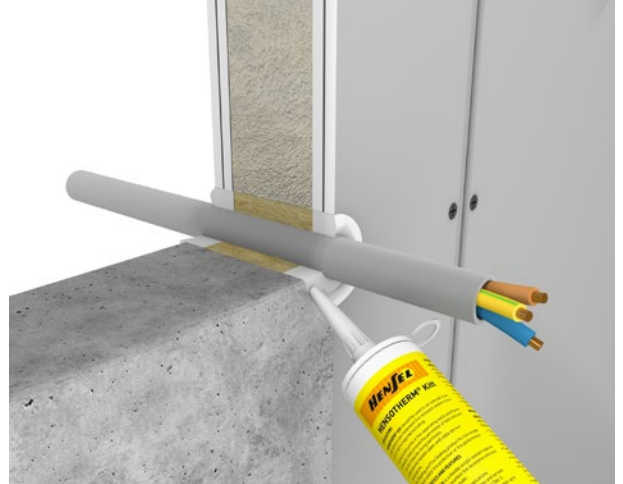
- CE Mark for fire resistance applications.
- Extensive fire testing on linear gaps and service penetration seals to EN 1366-4 & EN 1366-3.
- Gap sizes up to 100 mm and penetration seals up to 400 mm x 300 mm.
- Fire resistance designs up to EI 240 (240 minutes)
- Zero flame spread when tested to EN ISO 11923-2: 2010 giving Class E classification to EN 13501-1: 2007 + A1
- Z₁ durability according to EAD 350454-00-1104
- Fire seal designs in conjunction with most construction materials: masonry, steel, large cables, steel and copper pipes, insulated pipes, etc.
- Tested in ≥ 150 mm rigid floors (aerated concrete or concrete)
- Tested in ≥ 100 mm flexible wall (gypsum) partitions or rigid walls (masonry, concrete).
- Sound insulation: Rw up to 59 dB (BS EN ISO 10140-2: 2010)
- Maximum movement capability is ≤ 7,5 % and excellent adhesion
- Non-toxic; low smoke; mould resistant and halogen-free.
- VOC Emissions Classification: M1 (highest European classification) / **Indoor Air Comfort GOLD®**
- Can be over painted with most paints once fully cured.

Directions for use / Installation

- Ensure contact surfaces are clean, dry and dust free.
- Apply between +5 °C and +40 °C.
- Skinning time: 15 to 60 minutes depending on conditions
- Cure time: 5 to 15 days for a 20 x 15 mm bead
- Use backing rod/mineral wool to control seal depth ensuring opening is fully filled to the required depth. Tool surface with moist spatula within 30 minutes.

Linear Gaps

- For linear gaps applications insert backer rod or stone mineral wool, as determined by seal design, into the gap with a friction fit in order to control the required minimum depth of sealant.
- Gun the sealant into the gap ensuring the gap is fully filled and tool the surface smooth within 15 minutes using a dry pallet knife or spatula.



Service Penetrations

- For service penetrations seals pack stone mineral wool tightly around and between the services such that the opening is fully filled but leaving sufficient space at each face to apply the required minimum depth of sealant.
- Gun the sealant across the exposed faces of the seal ensuring that it is fully filled and tool the surface smooth within 15 minutes using a dry pallet knife or spatula.
- Clean tools after use using water.

Maintenance

No routine maintenance is required although periodic inspection for possible damage is recommended. All penetrations seals which are subsequently modified should be made good using HENSOTHERM® Kitt.

Limitations

Not suitable for outdoor conditions and in areas of constant water immersion, abrasion or food contact. It is the user's responsibility to determine suitability of use.

Work Safety

Use HENSOTHERM® Kitt 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 safety data sheet before using the product.

Packaging

310 ml cartridge

Storage and Transport

- Storage and transport in dry conditions and **free from frost!**
- Storage temperature at least + 10 °C, max. + 30 °C
- Shelf-life for unopened cartridges: 24 months when stored under recommended storage conditions.
- Opened cartridge must be sealed carefully after use.



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 (www.rudolf-hensel.de/gtc). 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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