

Spachtel - universal -



Application areas

HENSOTHERM® Spachtel - universal - has a general building inspectorate approval and is approved by the German Institute for Building Technology (DIBt), Berlin under Z-19.11-2110.

Seals gaps or openings in solid ceilings, solid walls and light-weight partition walls ≥80mm thickness for single conduits.

Using **HENSOTHERM® Spachtel - universal -**, border, wall and ceiling joints up to R 120 can be produced in aerated concrete, concrete, reinforced concrete, sand-lime bricks and brickwork in accordance with DIN EN 1366-4 on ceilings from ≥125mm / walls from ≥100mm.

Product features

- building material class B2 according to DIN 4102, Part 1
- building material class E according to DIN EN 13501-1
- foams up in case of fire
- free of silicone and solvents
- colour: grey / can be painted
- no VOC emissions
- Made in Germany – TÜV NORD CERT Standard A75-S018 certificate registration no. 44 771 130042
- emission class A+

HENSOTHERM® | HENSOMASTIK®

Sustainable and environmentally friendly

Fire protection for ecological construction

In the **Green Product** range, we present all **non-VOC fire protection products** that have qualified as building materials for ecological construction due to a level of volatile organic compounds (VOC) below the detection limit. These products therefore meet the requirements under the "Principles for the health assessment of construction products used in interiors" (DIBt notices 10/2010) in conjunction with the LCI values given by the **Committee on the health assessment of construction products (AgBB)** and are thus also recommended for use in public buildings, which must meet the criteria of the assessment system, "Sustainable Construction for Federal Buildings", set out by the Federal Ministry of Transport, Building and Urban Development.

FIRE LEAVES US COLD.

RUDOLF HENSEL GMBH

Lacquer and paint factory

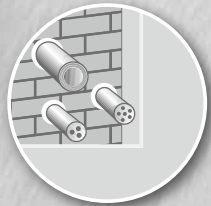
Lauenburger Landstrasse 11
21039 Börnsen | Germany

Tel. +49 (0)40 72 10 62-10
Fax +49 (0)40 72 10 62-52
email: info@rudolf-hensel.de

HENSEL



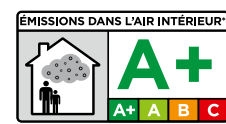
HENSEL



HENSOTHERM® Spachtel - universal -

Fire protection sealing compound for single conduits

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- Building material class E according to DIN EN 13501-1
- Colour: grey / can be painted
- No VOC emissions



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Fire protection sealing compound for single conduits

Single conduits can be:

- single electrical conduits without insulation such as electricity and telephone cables, fibre optic cables, IT leads etc.
- single pipes with or without insulation such as:
 - non-combustible pipes with outer diameter ≤ 160 mm (e.g. made of cast iron, copper, steel)
 - combustible pipes with outer diameter ≤ 32 mm (e.g. made of plastic, but also aluminium and glass)
 - pipes with combustible coating with outer diameter ≤ 160 mm

Spacings

If several single conduit partitions are next to each other, the following rules apply:

Spacing = 1x the thicker conduit diameter,

if the conduits (uninsulated) involve

- two cables or
- non-combustible pipe and cable or
- two non-combustible pipes

Spacing = 5 x the thicker conduit diameter,

if the conduits (uninsulated) involve

- cable and combustible pipe or
- non-combustible pipe and combustible pipe or
- two non-combustible pipes

Spacing (bigger than) > 50 mm

Pipes with non-combustible insulation or with combustible insulation plus steel plate jacket for

- the same type of pipes or
- electrical conduits

Spacing (bigger than) > 160 mm

Pipes with combustible insulation for all other conduits

Fitting with annular gap ≤ 15 mm

A single conduit is fed through ceiling or wall. The annular gap is ≤ 15 mm.



Then fill annular gap completely and directly from the cartridge with **HENSOTHERM® Spachtel - universal -**.



Installation complete.



Fitting with annular gap ≥ 15 mm to 50 mm

A single conduit is fed through ceiling or wall. The annular gap is ≥ 15 mm to 50 mm wide.



Annular gap is sealed with mineral wool, density ≥ 90 kg/m³, and a 15 mm thick layer of **HENSOTHERM® Spachtel - universal -** on both sides.



Installation complete.

