Spachtel - universal -

Application areas

HENSORTHERM® 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 lightweight partition walls ≥80 mm thickness for single conduits.

Using HENSORTHERM® Spachtel - universal -, border, wall and ceiling joints up to R120 can be produced in aerated concrete, concrete, reinforced concrete, sand-lime bricks and brickwork in accordance with DIN EN 1366-4 on ceilings from ≥125 mm / walls from ≥100 mm.

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 A75-5018 certificate registration no. 44 771130042
• emission class A+

HENSORTHERM® | HENSMASTIK®

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.

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HENSORTHERM® Spachtel - universal -
Fire protection sealing compound for single conduits

• Building material class B2 according to DIN 4102, Part 1
• Building material class E according to DIN EN 13501-1
• Colour: grey / can be painted
• No VOC emissions
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

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**Fitting with annular gap ≤ 15 mm**

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

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

Installation complete.

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**Fitting with annular gap ≥ 15 mm to 50 mm**

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