

Ferno Puttycord[®]

Non setting cord for service penetrations

TDS Ferno Puttycord 2305EN

Ferno-Puttycord is a non-setting silicone-based cord used for sealing penetrations against fire, smoke, and sound. During a fire, it prevents the spread of smoke and flames. Ferno Puttycord is specifically designed for situations where the opening around pass-throughs is too narrow or nonexistent. Puttycord is self-adhesive and is pressed as a triangular seal around the pipe or cable. This eliminates the need to consider the required depth.



Properties

- Prevents damage from fire and smoke for up to 240 minutes (EI240)
- Suitable for flexible walls with a minimum thickness starting from 100mm
- For new construction and renovation
- Simple solution for narrow openings around pipes
- Easy to apply without tools
- Remaining material and can be reworked
- Provides high sound insulation
- No oil migration
- No emissions and environmentally friendly
- Maintenance-free and indefinitely shelf-stable

Applications

- Flexible walls
- Rigid walls and floors
- Electrical cables,
- Cable bundles, wiring,
- Alupex, insulated and non-insulated pipes
- Metal pipes, insulated and non-insulated.

Testing / Certification

- Tested according to NEN 6069 and EU standard EN 1366-3
- Certified to EAD 350454-00-1104
- Air Permeability testing to EN1026 to 1000Pa
- Indoor Air Comfort Gold, Emicode EC1-Plus, VOC A+ Regulation, BREEAM, LEED v4

Technical data

Description:	Silicone-based cord
Classification:	Up to E240, EI240*
Temperature resistance:	-20°C to +100°C
Specific gravity:	1.58 kg/l
Sound insulation:	70 dB when applied on one side, 67 dB when applied on both sides
Service life:	50 years for intended use

*For achieved fire resistance per application, see test report (ETA 23/0014)

Packaging

200mm x Ø15mm, 5 pieces per box

Colour

Red

Storage and Shelf Life

Can be stored almost indefinitely between +5°C and +25°C.

Installation.

- Ensure that the surfaces where Ferno Puttycord is applied are clean and free of dirt, grease, and other contaminants.
- To improve adhesion on a porous surface, take a piece of Ferno Puttycord the size of your thumb and gently rub it over the surface in question. This is especially important for the bottom of a structure or ceiling.
- Then, apply Ferno Puttycord around the pipe or cable.
- Press it against the wall and the pipe with your thumbs. This creates a triangular seal that completely seals the gap between the pipe and the wall.

Transportation classification

Not applicable; no special measures are required.



Pipe end configuration

Different intended uses of pipes can lead to the need for different requirements for the pipe end configuration within a test. During a fire the conditions of the pipe and sealing system which are exposed, depend on whether both or either ends of the pipe are sealed in practice. Within the EN 1366-3 Test standard can be chosen not to cover (or close) the pipe, or to cover the pipe in the furnace, or outside the furnace, or on one or both sides.

For instance EI 60 U/C means the pipe was uncapped inside the furnace, and capped outside the furnace. The pipe end configuration / pipe system relations listed below may be used as a rule of thumb.

Intended use of pipe	Test Condition ⁴⁾	
Drainage or sewage pipe, plastic	Ventilated drain	U/U ¹⁾
	Unventilated drain	U/C ¹⁾
	Drain w/water trap	U/C ¹⁾
	Not at drainage	C/C ²⁾
Rainwater Pipe, Plastic	At drainage	U/U ¹⁾
	Not at Drainage	C/C ²⁾
Pipe in closed circuit (water, gas, air, electricity etc.)	C/C ^{2) 3)}	
Flue gas recovery system pipe, plastic	U/C ¹⁾	
Pipe with open ends and ≥ 50cm length on both sides, plastic	U/U ²⁾	
Pipe supported by suspension system, metal	Fire rated support	C/U ¹⁾
	Non-fire rated	U/C ¹⁾
Waste disposal shaft pipe, metal	U/C ¹⁾	

¹⁾ Stated in NEN EN 1366-3.

²⁾ Bloem Sealants judgment based on tests.

³⁾ Metal pipes should have fire rated support.

⁴⁾ U/U classified fire seals cover C/U, U/C and C/C. C/U classified fire seals cover U/C and C/C. U/C classified fire seals cover C/C.

Supporting constructions

- **Flexible walls** must have a minimum thickness of 100 mm and comprise steel studs or timber studs* lined on both faces with minimum 2 layers of 12.5 mm thick boards.
- **Rigid walls** must have a minimum thickness of 100 mm and comprise concrete, aerated concrete or masonry with a minimum density of 650 kg/m³.
- **Rigid floors** must have a minimum thickness of 150 mm and comprise aerated concrete or concrete with a minimum density of 650 kg/m³.
- The supporting construction must be classified in accordance with EN 13501-2 for the required fire

*no part of the penetration seal may be closer than 100 mm to a stud, the cavity must be closed between the penetration seal and the stud, and minimum 100 mm of insulation of class A1 or A2 according to EN 13501-1 must be provided within the cavity between the penetration seal and the stud resistance period.

