

Putty FR

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Technical data

Base	Silicone based putty
Colour	Graphite
Consistency	Elastic plate or cord
Density	1.55 g/ml
Acoustic insulation	Rw (-2;-7) (C;Ctr) 67 dB
Air permeability	Q ₅₀ = 0.77 m ³ /(h*m ²) (EN 1026)
Working life	50 years

Description

PUTTY FR is a mouldable polymer-based elastic firestop putty for sealing in penetrations in fire-rated structures. Fire putty seals flammable cables and electrical boxes from smoke gases and heat up to EI 120.

Properties

- Easily molded into different shapes, the fire cut can be modified afterwards.
- Suitable for eg. fire protection of socket boxes, tap water wall boxes, single cables, cable bundles and metal pipes.
- Fully smoke gas and airtight.
- Very good adhesion to most materials. Suitable for common building materials such as wood, metal, plastic etc.
- Good sound insulation.
- Long-term – does not dry, permanently elastic composition.
- High vibration duration, suitable for moving structures ($\pm 10\%$), for vehicles and marine use.
- Completely non-toxic. Does not contain substances prohibited in the EU. Halogen free.
- Dust free and clean installation.
- Does not corrode materials or cause allergies.
- Very good heat and sound insulation properties due to elastic composition.
- Suitable for indoor and outdoor use, UV radiation does not affect performance. Water-resistant composition.

Application

The operating temperature must be at least + 5 ° C. Make sure that the surfaces are porous and clean from loose dirt. Soudal recommends a preliminary compatibility tests.

For socket box:

Make a cut for the putty pad for possible through cables. Press the mass tightly into the penetration. Seal the penetration tightly. Finally, check the tightness of the

penetration. Allow the material to grip and dry for about 2 hours. For outdoor use, surfaces can be painted or coated to ensure long life.

When installed in socket boxes, the putty can be installed on the inside of the box or on the back surface. When installing on the back surface, the plate must extend 10mm beyond the edge of the socket box.

For tap water wall box:

Cut a suitable size piece from the putty plate and press it firmly around the tap water wall box, and on the inside about 4mm thick.

For penetrations:

Flexible wall min. 100mm:

Install a 15mm thick rod a putty pad tightly around the pipe and press it against structure to the both sides of the structure. Allow the material to grip and dry for about 2 hours.

Rigid floor min. 150mm:

Install a 15mm thick rod a putty pad tightly around the pipe and press it against structure to the above or below the structure. Allow the material to grip and dry for about 2 hours.

Packaging

Colour: graphite

Packaging: Putty Pad FR:170mm x 170mm, 20 pcs / pkg.

Putty Cord FR: Ø15mm x 200mm, 5 pcs / pkg

Shelf life

In unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C

Approvals

- ETA-19/0408
- CE-mark

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Fire classification

PENETRATIONS (flexible wall min. 100mm).

Penetrations	Structure	Joints Fire Putty Pro+	Aperture	Fire classification
25mm PEX -pipe in protective pipe	One or two tap water wall boxes 15mm	174 x 64 x 4mm putty around the pipe / 50 Ø x 25mm back of the tap water wall box	Ø 63mm	EI 90
Cables max. Ø 14mm	Socket box 130 x 70 x 47mm, 22mm openings for cables	Putty pad inside the socket box	135x75mm	EI 60
Single cable max. Ø 21mm, or cable bundle max. Ø 50mm (max. Ø 21mm cables)	-	15mm rod on both sides of the structure	cable diameter + <10mm	EI 120
Empty opening	-	15mm rod on both sides of the structure	≤ 14mm	EI 120
Single cable max. Ø 80mm, or cable bunch max. Ø 50mm	-	15mm rod on both sides of the structure	cable diameter + <10mm	EI 60
Steel pipe max. Ø 22mm, or copper pipe max. Ø 12mm	-	15mm rod on both sides of the structure	cable diameter + <10mm	EI 60
Steel pipe max. Ø 40mm + 20mm x 500mm stone wool insulation 80 kg/m ³ .	-	15mm rod on both sides of the structure	pipe diameter + <10mm	EI 120
Steel pipe max. Ø 41-324mm + 30mm x 500mm stone wool insulation 80 kg/m ³ .	-	15mm rod on both sides of the structure	pipe diameter + <10mm	EI 120
Copper pipe max. Ø 54mm + 20mm x 500mm stone wool insulation 80 kg/m ³ .	-	15mm rod on both sides of the structure	pipe diameter + <10mm	EI 60
Steel pipe max. Ø 40mm + 20mm continous stone wool insulation 80 kg/m ³ .	-	15mm rod on both sides of the structure	pipe diameter + <10mm	EI 120
Steel pipe max. Ø 41-324mm + 30-80mm continous stone wool insulation 80 kg/m ³	-	15mm rod on both sides of the structure	pipe diameter + <10mm	EI 60
Copper pipe max. Ø 12mm + 20mm continous stone wool insulation 80 kg/m ³ .	-	15mm rod on both sides of the structure	pipe diameter + <10mm	EI 60
Copper pipe max. Ø 54mm + 30-80mm continous stone wool insulation 80 kg/m ³ .	-	15mm rod on both sides of the structure	pipe diameter + <10mm	EI 60

PENETRATIONS (Rigid floor min. 150mm).

Empty firestop	-	15mm rod on above of the structure	≤ 14mm	EI 30
Cable bundle max. Ø 50mm (max. Ø 21mm cables)	-	15mm rod on above of the structure	cable diameter + <10mm	EI 60

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Single cable max. Ø 21mm	-	15mm rod on above of the structure	cable diameter + <10mm	EI 120
Single cable max. Ø 22-50mm	-	15mm rod on above of the structure	cable diameter + <10mm	EI 90
Single cable max. Ø 51-80mm	-	15mm rod on above of the structure	cable diameter + <10mm	EI 60
Empty firestop	-	15mm rod on both sides of the structure	≤ 14mm	EI 120
Single cable max. Ø 21mm	-	15mm rod on below of the structure	cable diameter + <10mm	EI 60
Steel pipe max. Ø 30mm	-	15mm rod on below of the structure	pipe diameter + <10mm	EI 30
Copper pipe max. Ø 12mm	-	15mm rod on below of the structure	pipe diameter + <10mm	EI 30
Steel pipe max. Ø 22mm	-	15mm rod on above of the structure	pipe diameter + <10mm	EI 120
Copper pipe max. Ø 10mm	-	15mm rod on above of the structure	pipe diameter + <10mm	EI 90
Steel pipe max. Ø 40mm + 20mm x 500mm stone wool insulation 80 kg/m ³ .	-	15mm rod on above of the structure	pipe diameter + <10mm	EI 240
Steel pipe max. Ø 41-324mm + 30mm x 500mm stone wool insulation 80 kg/m ³ .	-	15mm rod on above of the structure	pipe diameter + <10mm	EI 60
Copper pipe max. Ø 12mm + 20mm x 500mm stone wool insulation 80 kg/m ³ .	-	15mm rod on above of the structure	pipe diameter + <10mm	EI 240
Copper pipe max. Ø 13-54mm + 20mm x 500mm stone wool insulation 80 kg/m ³ .	-	15mm rod on above of the structure	pipe diameter + <10mm	EI 240
Steel pipe max. Ø 40mm + 20mm continous stone wool insulation 80 kg/m ³ .	-	15mm rod on above of the structure	pipe diameter + <10mm	EI 240
Steel pipe max. Ø 324mm + 30-80mm continous stone wool insulation 80 kg/m ³ .	-	15mm rod on above of the structure	pipe diameter + <10mm	EI 240
Copper pipe max. Ø 12mm + 20mm continous stone wool insulation 80 kg/m ³ .	-	15mm rod on above of the structure	pipe diameter + <10mm	EI 240
Copper pipe max. Ø 54mm + 30-80mm continous stone wool insulation 80 kg/m ³ .	-	15mm rod on above of the structure	pipe diameter + <10mm	EI 240

Detailed fire classification information from the ETA-approval.

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