

PAROC Fire tightening strips

PAROC Fire strip LD (UNM 37)
PAROC Fire strip roll HD (FPY 3)
PAROC Fire strip (FPY 1)



PAROC Fire strips (UNM & FPY) are used for thermal insulation and patching of various structural seams especially in structures with fire-technical requirements.

Stone wool strips are available with and without covering. Plastic (PE)-covered strips facilitate, e.g., in the installation work of elements and modules, where the friction of the installation phase may dislodge the rough-surfaced strip. The covered strip is also a good background for installing the actual seal.

Stone wool is not airtight or gas tight by itself, so the airtightness shall be ensured at the seams with a vapor barrier or, in fire-rated structures, with, e.g., a fire-sealing compound. Fire-technical sealings must be carried out in accordance with the approval of the supplier of the sealing compound.

| | |
|---------------------------|---|
| APPROVALS: | N/A |
| APPLICATION: | Element and module connections, window and door connections, construction joints, fire-rated seams |
| PACKAGE / STORING: | Plastic bag / carton. Indoor storing max. 30 °C is recommended. Outside in normal Nordic conditions |

DIMENSIONS

| Product code | thickness | width x length | packing | EAN 64380 |
|--|------------------------------------|-----------------|--|--------------------|
| Fire tightening strips made of stone wool | | | | |
| PAROC Fire strip (FPY 1) no covering, < 30 kg/m ³ | 30 mm | 70 mm x 0.9 m | 100 pcs / carton | 8517939 |
| PAROC Fire strip roll HD (FPY 3) PE covering, < 70 kg/m ³ | 30 mm | 140 mm x 8 m | 4 rolls / bag 18 bags / pallet | 8579536 8579537 |
| PAROC Fire strip roll LD (UNM 37) no covering, < 30 kg/m ³ | 30 mm | 85 mm x 7.85 m | 9 rolls / bag, 28 bags / pallet 9 rolls / bag, 28 bags / pallet | 8551217 |
| | | 90 mm x 7.85 m | | 8551219 |
| | | 90 mm x 7.85 m | | 8529735 |
| | | 110 mm x 7.85 m | | 8551218 |
| | | 110 mm x 7.85 m | | 8550706 |
| | | 120 mm x 7.85 m | | 8560132 |
| | | 120 mm x 7.85 m | | 8560133 |
| | | 140 mm x 7.85 m | | 8551220 |
| | | 165 mm x 7.85 m | | 8551221 |
| | | 180 mm x 7.85 m | | 8551215 |
| | | 180 mm x 7.85 m | | 8551214 |
| | | 190 mm x 7.85 m | | 8551222 |
| | | 190 mm x 7.85 m | | 8548190 |
| | | 200 mm x 7.85 m | | 8573835 |
| | | 200 mm x 7.85 m | | 8552473 |
| | | 200 mm x 7.85 m | | 8573834 |
| | | 200 mm x 7.85 m | | 8552472 |
| | | 220 mm x 7.85 m | | 8551216 |
| | | 220 mm x 7.85 m | | 8551213 |
| | | 230 mm x 7.85 m | | 8551223 |
| | | 230 mm x 7.85 m | | 8547665 |
| | | 240 mm x 7.85 m | | 8559959 |
| | | 240 mm x 7.85 m | | 8559958 |
| 285 mm x 7.85 m | 8551350 | | | |
| 285 mm x 7.85 m | 8547639 | | | |
| 370 mm x 7.85 m | 8553687 | | | |
| 370 mm x 7.85 m | 8553686 | | | |
| 50 mm | 370 mm x 7.85 m 370 mm x 7.85 m | | 8554242 | |
| | | | 8554283 | |



INSTALLATION / FIRE-RATED STRUCTURES

The seams and joints of fire compartment structures must be carefully sealed so that fire cannot spread through them from one fire compartment to another. Generally, fire compartmentalization structures are partition walls and intermediate floors inside the building, for which an EI-classification requirement has been submitted. Sometimes fire compartmentalization requirements are also presented for external walls and roofs.

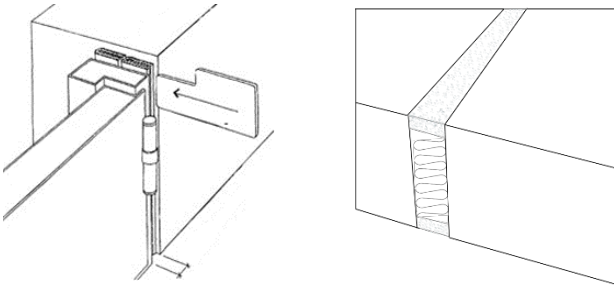
Good sealing of the gaps is also of prime importance in terms of sound insulation of the structure.

Element joints

The gap in structural joints is sealed with a stone wool strip, either at the prefab factory or on the construction site. The width of the stone wool strip is selected according to the thickness of the structure. At the element factory, the PE-coated sealing strip attached to the element or module stays better in place during element installation. The strip is fixed with the stapler directly through the strip.

Window and door joints

The gap between the windows/doors frame and installation frame is sealed and thermally insulated with stone wool strips, either at the factory or on site. On the construction site, the seal is installed by pushing several narrower stone wool strips (FPY 1) to the gap in several layers.



All gaps sealed with stone wool in fire-rated structures require a separate air and fire tight seal on the outer surface of the gap, so that hot combustion gases do not flow through the porous insulation. Fire-tested sealants, such as Tremco Illbruck, Nullifire FS702, are suitable fire-technical sealants for this purpose.

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|--|---|
| Air tightness, no fire classification: | <ul style="list-style-type: none"> FS702 can be used for airtightness (EN ISO 1023:2), up to 2 000 Pa |
| Fire tightness, fire classified constructions EI 30, EI 60, EI 90 and EI 120: | <ul style="list-style-type: none"> FS702 is tested in accordance with EN 1366-4: Fire Resistance Tests for Service Installations Part 4: Linear Joint Seals The joint must be sealed from both sides (More details, see Tremco's mounting instructions) |

Fire classes and materials connections covered by Nullifire FS 702 (green)

| Direction | Vertical | Horizontal | Vertical | Horizontal | Vertical | Horizontal | Vertical | Horizontal |
|-----------------------|----------|------------|----------|------------|----------|------------|----------|------------|
| | EI 30 | EI 30 | EI 60 | EI 60 | EI 90 | EI 90 | EI 120 | EI 120 |
| wood- wood | | | | | | | | |
| wood-metal | | | | | | | | |
| wood-concrete | | | | | | | | |
| metal-gypsum board | | | | | | | | |
| metal-metal | | | | | | | | |
| metal-concrete | | | | | | | | |
| concrete-concrete | | | | | | | | |
| gypsum board-concrete | | | | | | | | |

TECHNICAL PARAMETERS for PAROC FIRE STRIPS:

| Property | value | according to |
|------------------------------|---|---------------------|
| Fire properties | | EN 13162 |
| Reaction to fire, Euro class | Non-covered products: A1 PE-covered products: NPD | |
| | | |
| Moisture properties | | |
| Water vapor transmission, MU | Non-covered products: 1 PE-covered products: NPD | |
| | | |
| Durability | Thermal conductivity of mineral wool products does not change with time; experience has shown the fiber structure to be stable and the porosity contains no other gases than atmospheric air. | |
| End of life | Mineral wool and PE covering can be recycled separately | |