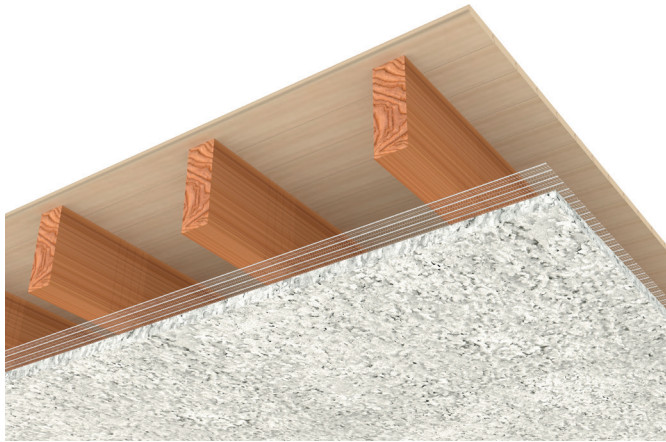


REI 30-120



General Info

The fire stability of wooden bases and structures is ensured by preventing the wood from increasing in temperature.

Fire protection cannot be directly applied to the wood, but must instead be accompanied by the installation of a sheet of expanded metal.

Protection is composed of Nergalto NG1 or equivalent sheets installed perpendicular to the joists (sheets are placed side by side with a 100 mm overlap) and an application of Fibrofeu®.

Area of validity

- Centre-to-centre joist spacing less than or equal to 600 mm
- Joist height greater than or equal to 220 mm

Required thickness for REI performance

| REI | Fibrofeu® thickness |
|-----|---------------------|
| 30 | 24 mm |
| 60 | 33 mm |
| 90 | 54 mm |
| 120 | 80 mm |

For all other applications, please contact us.

Fibrofeu® – TNO test report

| Fibrofeu® thickness | Base | Fréquency in hertz | | | | | | | | | | | | | | | | α_w | | |
|---------------------|---------------------------|-----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------|------|-----------|
| | | 100 | 125 | 160 | 200 | 250 | 315 | 400 | 500 | 630 | 800 | 1000 | 1250 | 1600 | 2000 | 2500 | 3150 | | 4000 | 5000 |
| | | Absorption coefficient α_s | | | | | | | | | | | | | | | | | | |
| 75 mm | Plaster panel on 80mm gap | 0,78 | 0,53 | 0,67 | 0,60 | 0,73 | 0,78 | 0,82 | 0,88 | 0,90 | 0,91 | 1,00 | 0,98 | 1,00 | 1,03 | 0,99 | 1,02 | 1,07 | 0,97 | 0,90 |
| 35 mm | Solid | 0,10 | 0,14 | 0,21 | 0,34 | 0,48 | 0,65 | 0,74 | 0,88 | 0,94 | 1,05 | 1,01 | 1,07 | 1,03 | 0,98 | 0,99 | 1,04 | 1,01 | 0,89 | 0,80 (H) |
| 25 mm | Solid | 0,06 | 0,08 | 0,15 | 0,18 | 0,33 | 0,41 | 0,57 | 0,70 | 0,87 | 0,88 | 0,96 | 1,06 | 1,09 | 1,01 | 1,03 | 1,04 | 1,00 | 0,89 | 0,60 (MH) |
| 15 mm | Solid | 0,02 | 0,04 | 0,06 | 0,09 | 0,15 | 0,22 | 0,30 | 0,43 | 0,55 | 0,67 | 0,78 | 0,88 | 0,94 | 0,95 | 1,03 | 1,00 | 1,01 | 0,86 | 0,45 (MH) |

Primers: PROJISO FIXO-B® and PROJISO FIXO-M®