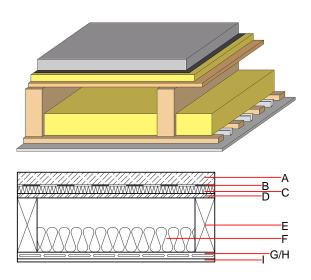
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Intermediate floor - gdrnxa01a-02

intermediate floor, timber frame construction, suspended, wet, without filling, other surface

| REI | 30 |
|---------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| iimum load E _{d,fi} = 3,66 kN∕ | ′m² |
| U Diffusion | 0.27 W∕(m ² K) suitable |
| | |
| R _w (C;C _{tr}) L _{n,w} (C _l) | 67(-1;-6) dB 51(0) |
| | |
| m | 143.70 kg/m² |
| | imum load E _{d,fi} = 3,66 kN/ U Diffusion R _w (C;C _{tr}) L _{n,w} (C _i) |



```
Note: e=625
```

Register of building materials used for this application, cross-section (from outside to inside, dimensions in mm)

| | Thickness | Building material | Thermal per | formance | | | Reaction to fire |
|---|-----------|--------------------------------------------------|-------------|-------------|------|-------|------------------|
| | | | λ | µ min – max | ρ | с | EN |
| A | 50.0 | anhydrite screed or cement screed | 0.700 | 10 | 2200 | 1.300 | A1 |
| В | | plastic separation layer | 0.200 | 100000 | 1400 | 1.400 | E |
| С | 30.0 | impact sound absorbing subflooring MW-T | 0.035 | 1 | 68 | 1.030 | A1 |
| D | 18.0 | OSB | 0.130 | 200 | 600 | 1.700 | D |
| E | 240.0 | construction timber (80/; $e=*$) | 0.120 | 50 | 450 | 1.600 | D |
| F | 100.0 | mineral wool [040; ≥16; <1000 °C] | 0.040 | 1 | 16 | 1.030 | A1 |
| G | 24.0 | spruce wood | 0.120 | 50 | 450 | 1.600 | D |
| Н | 27.0 | resilient channel (placed between open formwork) | 0.156 | | | | |
| | 12.5 | gypsum plaster board type DF or | 0.250 | 10 | 800 | 1.050 | A2 |
| 1 | 12.5 | gypsum fibre board | 0.320 | 21 | 1000 | 1.100 | A2 |

Sustainability rating (per m²)

Database ecoinvent

OI3_{Kon}

Calculated by HFA

38.1

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Details of sustainability rating

Database ecoinvent

| Lifecycle | GWP | AP | EP | ODP | POCP | |
|-----------|--------------------------|--------------------------|--------------------------|-------------|---------------|-------|
| (Phases) | [kg CO ₂ -e.] | [kg SO ₂ -e.] | [kg PO ₄ -e.] | [kg R11-e.] | [kg Ethen-e.] | |
| A1 - A3 | | 0.154 | 0.075 | 2,63E-6 | 0.028 | |
| | | | | | | |
| Lifecycle | PERE | PERM | PERT | PENRE | PENRM | PENRT |
| | | | FR 4 13 | [A 41] | TAA11 | [|
| (Phases) | [MJ] | [MJ] | [MJ] | [MJ] | [MJ] | [MJ] |