

Algemene gegevens:

berekening betonconstructie volgens NEN 6702

| | | | | |
|--------------------|----------|----------------|---|------|
| gebouwtype : | woonhuis | | | |
| veiligheidsklasse: | 2 | $\gamma_{f,g}$ | = | 1,20 |
| | | $\gamma_{f,q}$ | = | 1,30 |
| referentieperiode: | 50 jaar | | | |

Neerkomende belastingen:

10 dak

| | | | |
|---------------------|-------------------|---|------------------------|
| t.g.v. e.g. dak | 0,65 / cos 40 gr. | = | 0,85 kN/m ² |
| t.g.v. n.b. extreem | | = | 0,55 kN/m ² |
| $\psi =$ | 0,0 | | |

20 plattendak

| | | | |
|-----------------------------|-----|---|------------------------------|
| t.g.v. e.g. houten balklaag | | = | 0,30 kN/m ² |
| " plafond | | = | 0,20 |
| | | | <hr/> 0,50 kN/m ² |
| t.g.v. n.b. extreem | | = | 1,00 kN/m ² |
| $\psi =$ | 0,0 | | |

30 zoldervloer

| | | | |
|---------------------------|----------|---|------------------------------|
| t.g.v. e.g. kanaalplaat | d= 200mm | = | 3,00 kN/m ² |
| " afwerking | 0,05*25 | = | 1,00 |
| " lichte scheidingswanden | | = | 0,70 |
| | | | <hr/> 4,70 kN/m ² |
| t.g.v. n.b. extreem | | = | 1,75 kN/m ² |
| $\psi =$ | 0,4 | | |

31 1e verd. vloer

| | | | |
|---------------------------|----------|---|------------------------------|
| t.g.v. e.g. kanaalplaat | d= 200mm | = | 3,00 kN/m ² |
| " afwerking | 0,05*25 | = | 1,00 |
| " lichte scheidingswanden | | = | 0,70 |
| | | | <hr/> 4,70 kN/m ² |
| t.g.v. n.b. extreem | | = | 1,75 kN/m ² |
| $\psi =$ | 0,4 | | |

40 beg.gr.vl.

| | | | |
|------------------------------|---------|---|------------------------------|
| t.g.v. e.g. ribcassettevloer | | = | 2,10 kN/m ² |
| " afwerking | 0,05*20 | = | 1,00 |
| " lichte scheidingswanden | | = | 0,70 |
| | | | <hr/> 3,80 kN/m ² |
| t.g.v. n.b. extreem | | = | 1,75 kN/m ² |
| $\psi =$ | 0,4 | | |