

Gewichtsberekening

Dak:

eg pannendak met dakbeschot en gordingen = 0.65 kN/m²

nb sneeuw

$$C1 = 0.8 \times (60-40)/30 = 0.53 \times 0.7 \text{ kN/m}^2 = 0.37 \text{ kN/m}^2$$

$$C2 = 0.8 \times (60-40)/30 = 0.80 \times 0.7 \text{ kN/m}^2 = 0.56 \text{ kN/m}^2$$

$$\psi = 0.0$$

2^e Verdieping / 1^e Verdieping:

eg houten vloer + balken = 0.3 kN/m²

eg plafond = 0.1 "

0.4 kN/m²

nb verdieping Prep = 1.75 kN/m² $\psi = 0.4$

Begane grond:

eg combinatievloer = 2.5 kN/m²

eg afw. (30mm zand-cement) 0.03 x 20.0 kN/m³ = 0.6 "

3.1 kN/m²

nb beg.gr vloer Prep = 1.75 kN/m² $\psi = 0.4$

Plat dak uitbouw:

eg balklaag + beschot = 0.36 kN/m²

eg plafond = 0.1 "

eg bitumen = 0.1 "

0.56 kN/m²

nb sneeuw

$$C1 = 0.8$$

$$C2 = \frac{1}{2} \times 0.80 + 1.11 = 1.51$$

$$C'2 = 0.8 + \frac{1.5}{(2 \times 3.5)} \times (1.51 - 0.8) = 0.95$$

$$C = (0.8 + 0.95) / 2 \times 0.70 \text{ kN/m}^2 = 0.61 \text{ kN/m}^2$$

$$\psi = 0.0$$

Gevel:

eg spouwmuur = 4.0 kN/m²

Bouwmuur:

eg metselwerk 0.11 m x 18.0 kN/m³ = 2.0 kN/m²