

Hr. J.W. Paarp.

doorsnede 1.

dak $1,25 \times 2,56 \times 125 \text{ kg} = 400 \text{ kg/m}^2$
 zolder 1 $\times 2,56 \times 275 \text{ kg} = 704 \text{ kg/m}^2$
 vercl. 1 $\times 2,56 \times 275 \text{ kg} \times \frac{9}{10} = 640 \text{ kg/m}^2$
 beg. d. 1 $\times 2,56 \times 240 \text{ kg} \times \frac{8}{10} = 490 \text{ kg/m}^2$
 muur 1 $\times 7,6 \times 400 \text{ kg} = 3040 \text{ kg/m}^2$
 fund. 1 $\times 0,1 \times 2400 \text{ kg} = 240 \text{ kg/m}^2$
5514 kg/m²

B = 100 cm.

gem. gronddruk $0,55 \text{ kg/cm}^2$
 $m = 100 \times 50 \times 5,5 \times 0,25 = 690 \text{ kg/m}^2$
 $m = 690 \text{ kg/m}^2$ $h = 10 - 2 - 0,5 = 7,5 \text{ cm}$
 $\sqrt{m} = 26,2$ $k_f = 7,5 : 26,2 = 0,287$
 $\omega = 1,02$
 $A = 1,02 \times 1 \times 7,5 = 7,65 \text{ cm}^2 = \phi 10 - 10$
 v.w. = 20% van $7,65 = 1,53 \text{ cm}^2$
 neem $\phi 8 - 20$

doorsnede 2.

dak $1,25 \times 3,45 \times 125 \text{ kg} = 537 \text{ kg/m}^2$
 zolder 1 $\times 3,45 \times 275 \text{ kg} = 950 \text{ kg/m}^2$
 vercl. 1 $\times 3,45 \times 275 \text{ kg} \times \frac{9}{10} = 885 \text{ kg/m}^2$
 beg. d. 1 $\times 3,45 \times 240 \text{ kg} \times \frac{8}{10} = 760 \text{ kg/m}^2$
 muur 1 $\times 7,6 \times 200 \text{ kg} = 1520 \text{ kg/m}^2$
 fund. 1 $\times 0,6 \times 0,1 \times 2400 \text{ kg} = 144 \text{ kg/m}^2$
3296 kg/m²

B = 60 cm.

$m = 100 \times 30 \times 0,55 \times 0,15 = 250 \text{ kg/m}^2$
 $h = 7,5 \text{ cm}$ $\sqrt{m} = 15,8$
 $k_f = 7,5 : 15,8 = 0,475$
 $\omega = 0,35$
 $A = 0,35 \times 1 \times 7,5 = 2,63 \text{ cm}^2$
 dus h.w. $\phi 8 - 19$
 v.w. $\phi 8 - 20$

doorsnede 3.

dak 1 $\times 1,25 \times 1,85 \times 125 \text{ kg} = 287 \text{ kg/m}^2$
 zolder 1 $\times 1,85 \times 275 \text{ kg} = 508 \text{ kg/m}^2$
 vercl. 1 $\times 1,85 \times 275 \text{ kg} \times \frac{9}{10} = 457 \text{ kg/m}^2$
 beg. d. 1 $\times 1,85 \times 240 \text{ kg} \times \frac{8}{10} = 397 \text{ kg/m}^2$
 muren 1 $\times 7,6 \times 400 \text{ kg} = 3040 \text{ kg/m}^2$
 fund. 1 $\times 0,9 \times 0,1 \times 2400 \text{ kg} = 216 \text{ kg/m}^2$
4886 kg/m²

B = 90 cm.

$m = 90 \times 45 \times 0,55 \times 0,25 = 607 \text{ kg/m}^2$
 $h = 7,5 \text{ cm}$ $\sqrt{m} = 24,6$
 $k_f = 7,5 : 24,6 = 0,31$
 $\omega = 0,838$
 $A = 0,838 \times 1 \times 7,5 = 6,28 \text{ cm}^2$
 dus h.w. $\phi 10 - 12,5$
 v.w. $\phi 8 - 20$

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