

DESIGN EXAMPLE V4

An internal loadbearing masonry wall has a clear height h of 2500 mm and supports a stiff continuous floor together with loads transferred from upper storeys.

Loads acting on this section of masonry are:

| | |
|-----------------------------|------------|
| Characteristic dead load | 127,5 kN/m |
| Characteristic imposed load | 15,0 kN/m |

It is necessary to use a 190 mm high x 140 mm wide concrete block masonry unit. What strength block masonry unit, in Group 1 and in Group 2 hollow formats, would be required to carry the applied loads?

Assume M4 general purpose mortar is to be used.

Assume Category II attestation of conformity masonry unit and Class 2 execution control.