

DESIGN EXAMPLE 2F

Taking Design Example 1F determine the fire resistance period of a single leaf 120 mm blockwork wall constructed in Group 1 autoclaved aerated concrete block masonry units assembled in a thin layer mortar. The masonry unit gross dry density is 650 kg/m^3 . The design vertical load is 180 kN/m and the design resistance is 187 kN/m .

Reassess the fire resistance period of the wall above as non-loadbearing single leaf wall.