

**2005 NATIONAL BUILDING CODE FIRE PERFORMANCE RATINGS
FOR UNITS OF METRIC CONFIGURATION**
Concrete Block Standard Aggregate

TYPE OF UNIT	NOMINAL THICKNESS	EQUIVALENT THICKNESS	RATING IN MINUTES
Hollow	100mm	66mm	54
Solid	100mm	90mm	86
Hollow	150mm	80mm	66
Semi-Solid	150mm	113mm	120
Solid	150mm	140mm	177
Hollow	200mm	103mm	99
Semi-Solid	200mm	142mm	180
Solid	200mm	190mm	272
Hollow	250mm	121mm	130
Semi-Solid	250mm	180mm	258
Solid	250mm	240mm	344
Hollow	300mm	144mm	182
Semi-Solid	300mm	220mm	315

Composite Walls

TYPE OF UNIT	EQUIVALENT THICKNESS	RATING IN MINUTES
Face Brick + 100mm Hollow Block	154mm	195
Face Brick + 150mm Hollow Block	170mm	243
Face Brick + 150mm Semi-Solid Block	195mm	279
Face Brick + 200mm Hollow Block	193mm	276
Face Brick + 200mm Semi-Solid Block	232mm	332
Face Brick + 250mm Hollow Block	211mm	302

NOTES:

- Equivalent thicknesses quoted in the above values are for concrete block manufactured to meet CSA A 165.1 - 04 Standards. Concrete Block not complying to these standards should be computed independently.
- Equivalent thickness value for brick in composite wall section is for a solid unit. Performance ratings for cored brick may differ.