



2020 NATIONAL BUILDING CODE FIRE PERFORMANCE RATINGS FOR UNITS OF METRIC CONFIGURATION

Concrete Block Standard Aggregate

| Type of Unit | Nominal Thickness (mm) | Equivalent Thickness (mm) | Rating in Minutes (Hours) |
|--------------|------------------------|---------------------------|---------------------------|
| Hollow | 100 | 66 | 54 (0.90) |
| Solid | 100 | 90 | 86 (1.43) |
| Hollow | 150 | 80 | 66 (1.10) |
| Semi-Solid | 150 | 113 | 120 (2.00) |
| Solid | 150 | 140 | 177 (2.95) |
| Hollow | 200 | 103 | 99 (1.65) |
| Semi-Solid | 200 | 142 | 180 (3.00) |
| Solid | 200 | 190 | 272 (4.53) |
| Hollow | 250 | 121 | 130 (2.17) |
| Semi-Solid | 250 | 180 | 258 (4.30) |
| Solid | 250 | 240 | 344 (5.73) |
| Hollow | 300 | 144 | 182 (3.03) |
| Semi-Solid | 300 | 220 | 315 (5.25) |

Shaw 2 Hour Fire Block

Weight per Block: 42lbs

Blocks/Pallet: 75ea

Pallet Weight: 3150lbs

| Type of Unit | Nominal Thickness (mm) | Equivalent Thickness (mm) | Rating in Minutes (Hours) |
|--------------|------------------------|---------------------------|---------------------------|
| 61% Solid | 190 | 116 | 122 (2.04) |

Notes:

- Equivalent thickness quoted in the above values are for concrete block manufactured to meet CSA A165-14 Standards. Concrete Block not complying to these standards should be computed independently
- Hollow concrete masonry units made with type S or N concrete shall have a minimum compressive strength of 15 MPa based on net area, as defined in the CSA A165-14 “Concrete Block Masonry Units”.