

SUMMARY OF FIRE RESISTANCE RATINGS

| WALL RATING | MATERIAL | PARTITION TYPE | CERTIFICATE No. & REF. | Kg PER M ² | STC [§] |
|---|--|------------------------------------|----------------------------------|-----------------------|------------------|
| „ ½ hr | 8 mm FYRWALL | 100 mm x 50 mm Timber Stud | 991 CEBS* | 16.4 Kg | 37 |
| „ 1 hr | 12.5 mm „ | 100 mm x 50 mm Timber Stud | 827 „ | 27.2 Kg | 40 |
| „ 1 hr | 14 mm „ | 100 mm x 50 mm Metal Stud | 545 „ | 29 Kg | 42 |
| „ 1½ hr | 19 mm „ | 100 mm x 50 mm Timber Stud | 775 „ | 39 Kg | 44 |
| „ 1½ hr | 19 mm „ | 100 mm x 50 mm Metal Stud | 812 „ | 39 Kg | 45 |
| „ 2 hr | 19 mm „ | 100 mm x 50 mm Timber Stud | 775 „ | 39 Kg | 45 |
| „ 2 hr | 19 mm „ | 100 mm x 50 mm Metal Stud (Dimond) | 812 „ | 39 Kg | 45 |
| „ 2 hr | 19 mm „ | 100 mm x 50 mm Metal Stud (Cunic) | 732 „ | 39 Kg | 45 |
| „ 3 hr | 25 mm „ | 100 mm x 50 mm Timber Stud | 357 „ | 52 Kg | 46 |
| „ 4 hr | 32 mm „ (2 layers of 16 mm) | 100 mm x 50 mm Timber Stud | 564 „ | 67 Kg | 49 |
| FLOOR/CEILING | | | | | |
| „ 1 hr | 32 mm Acoustic Tiles | Steel Beams | 1116 DSIR [†] London | 20 Kg | 37 |
| „ 1½ hr | 25 mm FYRWALL (2 layers of 12.5 mm) | 250 mm x 50 mm Floor Joists | 1160 CEBS* | 52 Kg | 40 |
| „ 2 hr | 32 mm Plaster Tiles | Steel Beams | 1025 DSIR [†] London | 52 Kg | 42 |
| FIREREST FIRE DOORS | | | | | |
| 1 Hr single door | FIREREST Firedoors | Timber, block | F143/3 BRANZ [‡] | | 50 |
| 1 Hr pair door | FIREREST Firedoors | Timber, block | FR328 BRANZ [‡] | | 50 |
| 2 Hr single door | FIREREST Firedoors | Timber, block | FR157 BRANZ [‡] | | 50 |
| TESTS FOR EARLY FIRE HAZARD CEBS* – BS 59/1 | | | | | |
| Ignitability | | 0 – Nil | Heat Evolved | 0 – Nil | |
| Spread of Flames | | 0 – Nil | Smoke Developed | 0 – Nil | |
| * Commonwealth Experimental Building Station. † Department of Scientific and Industrial Research. ‡ Building Research Authority of New Zealand. § Sound Transmission Co efficient. | | | | | |