



## "NCO" Acoustic & Fire-rated Doors

### Specifications

#### Timber doors

##### DOOR TYPE

| Door Type   | General Purpose | Acoustic  | Fire-resisting       | Acoustic & Fire  |
|-------------|-----------------|---|----------------------|--|
| BASIC MODEL | GP44<br>GP50    | 37dB-TA<br>41dB-TA<br>42dB-TA<br>45dB-TA<br>49dB-TA | F60<br>F120<br>F120A | 37dB-TAF<br>41dB-TAF<br>42dB-TAF<br>45dB-TAF<br>49dB-TAF |

##### DOOR SPECIFICATIONS

| Door Type   | General Purpose                       | Acoustic                     | Fire-resisting   | Acoustic & Fire              |
|---|---------------------------------------|------------------------------|--|------------------------------|
| DOOR LEAF   | GP44: Hollow Core<br>GP50: Solid Core | with hung in frame           | F60: Solid Core<br>F120: Solid Core<br>F120A: Solid Core | with hung in frame           |
| DOOR FRAME<br>• Softwood<br>• Hardwood<br>• Steel | Standard<br>Available                 | Standard<br>Standard (>40dB) | F60: Standard<br>F60: Available<br>F120: Standard        | Standard<br>Standard (>40dB) |
| COMPRESSION SEALS                                 | Available                             | Standard                     | Not available  | Standard                     |
| INTUMESCENT STRIP                                 | Not available                         | Not available                | Standard   | Standard                     |
| DOOR CLOSER                                       | Available                             | Available                    | Available  | Available                    |
| DOOR LOCK   | Available                             | Available                    | Available  | Available                    |
| VISION PANEL                                      | Available                             | Available                    | Available  | Available                    |

##### DOOR FINISH

| Door Type        | General Purpose | Acoustic  | Fire-resisting | Acoustic & Fire |
|------------------|-----------------|-----------|----------------|-----------------|
| PRIMER PAINT     | Standard        | Standard  | Standard       | Standard        |
| VENEER           | Standard        | Standard  | Standard       | Standard        |
| PLASTIC LAMINATE | Available       | Available | Available      | Available       |

##### RANGE OF VENEER

| Door Type | General Purpose | Acoustic  | Fire-resisting | Acoustic & Fire |
|-----------|-----------------|-----------|----------------|-----------------|
| BEECH     | Standard        | Standard  | Standard       | Standard        |
| CHERRY    | Available       | Available | Available      | Available       |
| MAPLE     | Available       | Available | Available      | Available       |
| TEAK      | Available       | Available | Available      | Available       |
| C.O.M.    | Available       | Available | Available      | Available       |



## "NCO" Acoustic & Fire-rated Doors

### Specifications

#### Metal door

##### DOOR TYPE

| Door Type   | Application               | Acoustic   | Fire-resisting        | Acoustic & Fire  |
|-------------|---------------------------|--|-----------------------|--|
| BASIC MODEL | Architectural/ Industrial | 39dB-MA<br>40dB-MA /41dB-MA<br>42dB-MA/43dB-MA<br>44dB-MA /45dB-MA<br>46dB-MA /50dB-MA | F60M<br>F120<br>F120A | 39dB-MAF<br>41dB/42dB-MAF<br>43dB/45dB-MAF<br>46dB-MAF |

##### DOOR SPECIFICATION

| Door Type   | Specification  | Acoustic              | Fire-resisting  | Acoustic & Fire       |
|---|--|-----------------------|---|-----------------------|
| DOOR LEAF<br>(Single/Single with<br>half leaf/double leaf<br>types available) | Formed from rigid<br>trays pressed from<br>galvanized mild steel | with hung in frame    | F60M: Hollow Core<br>F120: Hollow Core<br>F120A: Solid Core | with hung in frame    |
| DOOR FRAME<br>• Mild Steel<br>• Stainless Steel                               | Galvanized mild steel<br>pressed to standard<br>profile          | Standard<br>Available | Standard<br>Available                                       | Standard<br>Available |
| COMPRESSION<br>SEALS  |  | Standard              | Not available   | Standard              |
| DOOR CLOSER   | Available  | Available             | Available   | Available             |
| DOOR LOCK   | Available  | Available             | Available   | Available             |
| VISION PANEL  | Available  | Available             | Available   | Available             |

##### DOOR FINISH

| Door Type                      | General Purpose | Acoustic  | Fire-resisting | Acoustic & Fire |
|--------------------------------|-----------------|-----------|----------------|-----------------|
| PRIMER PAINT                   | Standard        | Standard  | Standard       | Standard        |
| FINISH PAINT                   | Available       | Available | Available      | Available       |
| PLASTIC<br>LAMINATE/<br>VENEER | Available       | Available | Available      | Available       |



## "NCO" Acoustic & Fire-rated Doors

### Performance

#### Fire Ratings:

##### TIMBER DOOR PERFORMANCE

##### Fire Code: (To BS 476: Part 22:1987)

| Model       | Stability   | Integrity   | Insulation  |
|-------------|-------------|-------------|-------------|
| F60         | 60 minutes  | 60 minutes  | -           |
| F120/F120A* | 120 minutes | 120 minutes | 30 minutes* |

##### METAL DOOR PERFORMANCE

##### Fire Code: (To BS 476: Part 22:1987)

| Model       | Stability   | Integrity   | Insulation  |
|-------------|-------------|-------------|-------------|
| F60         | 60 minutes  | 60 minutes  | -           |
| F120/F120A* | 120 minutes | 120 minutes | 30 minutes* |

#### Acoustics:

##### TIMBER DOOR PERFORMANCE

| Model   | Weighted Apparent SRI R'w (ISO-140-3) | Sound Transmission Loss (STC), dB (ASTM-E90) | Noise Insulation Class (NIC), dB (ASTM-E336) |
|---------|---------------------------------------|--|--|
| 37dB-TA | 37                                    | 37   | 42   |
| 41dB-TA | 41                                    | 41   | 43   |
| 42dB-TA | 42                                    | 40   | 42   |
| 45dB-TA | 45                                    | 45   | 49   |
| 49dB-TA | 49                                    | 50   | 50   |

##### METAL DOOR PERFORMANCE

| Model   | Weighted Apparent SRI R'w (ISO-140-3) | Sound Transmission Loss (STC), dB (ASTM-E90) | Noise Insulation Class (NIC), dB (ASTM-E336) |
|---------|---------------------------------------|--|--|
| 39dB-TA | 39                                    | 39   | 42   |
| 40dB-TA | 40                                    | 40   | 42   |
| 41dB-TA | 41                                    | 40   | 43   |
| 42dB-TA | 42                                    | 40   | 42   |
| 43dB-TA | 43                                    | 46   | 46   |
| 44dB-TA | 44                                    | 44   | 46   |
| 45dB-TA | 45                                    | 46   | 49   |
| 46dB-TA | 46                                    | 44   | 46   |
| 49dB-TA | 49                                    | 50   | 50   |