

Technical Datasheet

C50 / Fire-Rated Partition

CLESTRA



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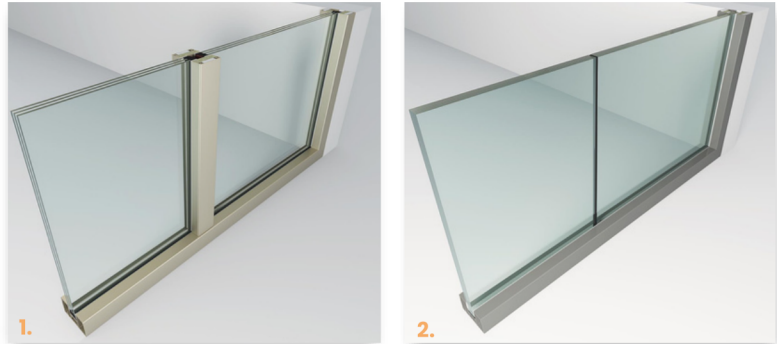
C50 / Fire-Rated Partition

Description:

Fire-rated 'Insulation and Integrity' glazed partition. Suitable for delimitation of sensitive areas within a wider space, providing high-level fire protection and acoustic insulation. Available in **Framed** or **Frameless** configurations.

Configuration:

1. Single-Glazed centered
2. Framed or Frameless



Construction:

| | |
|-----------|--|
| Structure | <ul style="list-style-type: none"> • Framed 50mm wide, 1.2mm steel ceiling and floor channels. 58mm wide, 1.2mm steel glass separation posts with gypsum and rockwool infill. • Frameless 50mm wide, 1.2mm steel ceiling and floor channels with gypsum and rockwool infill. 5mm wide glass junction with calcium silicate tape and silicone caulking. |
| Glass | <ul style="list-style-type: none"> • Framed 25mm thick, 1hour fireproof and heat resistant glass. Laminated Haojing glass with fire-resistant inner gel layers. • Frameless 23mm thick, 1 hour fireproof and heat resistant glass. Laminated Pilkington glass with fire-resistant gel layers and polished edges. |

Finishes:

- **Surface treatment:** Thermosetting Polyester Powder Coating applied with 60 µm dry film. The powder coating provides a VOC-free, scratch resistant surface.
- **Colours:** Colours can be chosen from our **Clestra Asia Colour Chart**.

Specifications:

| | | | |
|------------|---|-----------|--|
| Dimensions | <ul style="list-style-type: none"> • Height Up to 3,000mm • Width up to 1,500mm • Thickness 89mm • Channel height 50mm (Top and bottom) | Acoustics | <ul style="list-style-type: none"> • Framed: 43 dB 25mm fire-resistant laminated Haojing glass • Frameless: 41 dB 23mm fire-resistant laminated Pilkington glass |
|------------|---|-----------|--|

Fire Protection:

Fire-Rated partitions with integrity and heat insulation. The partition integrates thermal break insulation materials to reduce heat radiation. Gypsum infill layers prevent heat transmission through the partition frame.

Grade-A tested partitions in accordance with Chinese standards **GFBQ-3030-I-1.0**.

Dimension limits in accordance with certificate.

Applicable Standards:

Grade -A

Manufactured in ISO 9001, ISO 14001 certified factory.



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