FIRE-RATED GLASS PARTITION

ASTM E119-24 & EN 12600 COMPLIANCE | 50 mm GLASS SYSTEM



PRODUCT OVERVIEW

A non-loadbearing fire-rated glass partition system designed for architectural separation while maintaining daylight, visibility and a contemporary façade aesthetic.

Product: Fire-rated Glass Partition
Brand: Builders Depot
Model: FR GLASS – 2Hr
Glass thickness: 50 mm
Country of origin: China

PERFORMANCE AND COMPLIANCE

Fire-resistance rating	2-hour fire resistance
Fire endurance test	2 hours
Hose stream test	1 hour
Test standards	ASTM E119-24; EN 12600:2002
System construction	Non-loadbearing fire-rated glass partition with 50 mm glass panes
Certificate	Certificate of Conformity CFS25121702, SCDF regulated Product Listing Scheme, Type 5

CERTIFIED CONFIGURATION

Overall system size	3100 mm (W) × 3000 mm (L) × 136 mm (T)
Glass pane schedule	1 pc: 1275 mm (W) × 2905 mm (H) 1 pc: 1675 mm (W) × 1375 mm (H) 3 pcs: 810 mm (W) × 710 mm (H)
Test reports	KAS No. J260302001-1 and J260302001-2

Note: Detailed configuration, framing, glazing, joints, hardware and installation must strictly follow the listed test reports and assessment reports. Any change from the tested assembly may affect the declared performance.

SYSTEM DETAILS & INSTALLATION GUIDANCE

Use the tested assembly as the controlling reference for design, fabrication and installation.

APPLICATION FEATURES

Architectural integration	Suitable for glazed partitions and façade-adjacent openings where fire separation and visual transparency are required.
Daylight and visibility	Large-format 50 mm fire-rated glazing supports open, bright interiors while maintaining compartmentation objectives.
Non-loadbearing system	The certified product is described as a non-loadbearing partition; structural loads must not be transferred to the glass assembly.
Safety glazing reference	EN 12600:2002 is identified as a test standard in the certificate. Confirm the applicable classification and project requirements with the appointed professional.

INSTALLATION AND QUALITY CHECKS

1	Verify the installed glass thickness is 50 mm and matches the approved shop drawings and certification documentation.
2	Confirm the partition dimensions, pane sizes, framing members, glazing materials, seals, joints and interfaces match the tested/assessed configuration.
3	Ensure installation is carried out by competent personnel in accordance with the manufacturer's approved method statement.
4	Protect glass edges and avoid drilling, cutting, altering or substituting components unless supported by an approved assessment.
5	Record product identification, delivery condition, installation checks and photographs for project handover and traceability.

REFERENCE DOCUMENTATION

Certificate of Conformity	CFS25121702 | Issued 07 May 2026 | Expires 06 May 2031
Certification body	CODIMI Pte Ltd | SAC accreditation mark: PD-2025-31
Certificate holder	Builders Depot Pte Ltd 170 Upper Bukit Road, 04-12 Bukit Timah Shopping Centre, Singapore 588179 UEN: 202409145K

PRODUCT IMAGES







Image 1: installed glazing detail. Image 2: architectural façade application. Image 3: Certificate of Conformity reference. Images are illustrative; certification scope and installation requirements are governed by the complete test and assessment documentation.

DISCLAIMER: This data sheet summarizes the supplied Certificate of Conformity and is not a substitute for the complete test reports, assessment reports, approved drawings, project specifications or authority approvals. Contact Builders Depot for project-specific details and technical submissions.