

Vault Panels

Main Product Line-Up

1

Bases of vault panel are mounted on the floor.



2

Vault panels are assembled in order starting from the corner.



3

All wall panel assemble work is finished.



4

All ceiling panels are set up.



5

Vault door is installed.



6

Construction work is complete when the interior and exterior walls are finished.



Grade of Burglar-Resistance

Descriptions	Grade by FJSF	Attack time
Torch and Tool endurance test (for vault equipment)	TRTLV-30	30min
	TRTLV-35	35min
	TRTLV-40	40min
	TRTLV-50	50min
	TRTLV-60	60min
	TRTLV-70	70min
	TRTLV-90	90min
	TRTLV-110	110min
	TRTLV-130	130min
	TRTLV-150	150min
Tool endurance test (Vault equipment is excluded.)	TLV-15	15min

TR: Torch, TL: Tool, V: Vault



Vault panel attack test

Grade of Fire-Resistance

Descriptions	Grade by FJSF	Heating time	Criteria to pass
Vault equipment (for paper)	0.5PH	30min	Inside the chamber: Less than 177°C
	1PH	1hour	
	2PH	2hours	
	3PH	3hours	
	4PH	4hours	
Gallery vault equipment (for cultural properties)	0.5CH	30min	Inside the chamber: Less than 80°C
	1CH	1hour	
	2CH	2hours	
	3CH	3hours	
	4CH	4hours	

P: Paper, C: Cultural properties, H: Hour

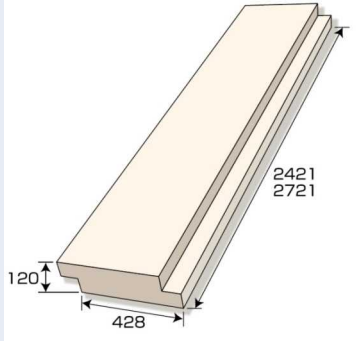
Burglar-resistant test method

A destructive test is performed for the specified time to open an entry hole in the test specimen.

Fire-resistant test method

The test specimen is installed in a heating furnace so that the outside of the test specimen can be heated, and heating is performed according to a standard temperature curve.

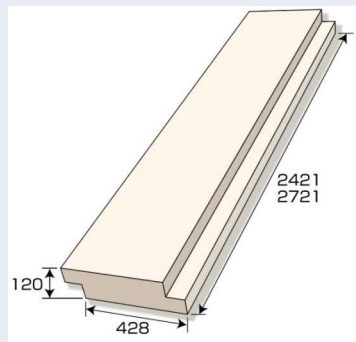
After being heated for the specified time, the test specimen is left in the heating furnace and allowed to cool naturally until the temperature inside the chamber begins to drop.

SMV-120c	
Burglar resistance	TRTLV-130
Fire resistance	3PH
Net weight	275kg/m ²
Height	H2421mm H2721mm
Thickness	120mm
<p>Basic Panel Dimension</p> 	

MV-120K/Sc

Burglar resistance	TRTLV-60
Fire resistance	4PH
Net weight	216kg/m ²
Height	H2421mm H2721mm
Thickness	120mm

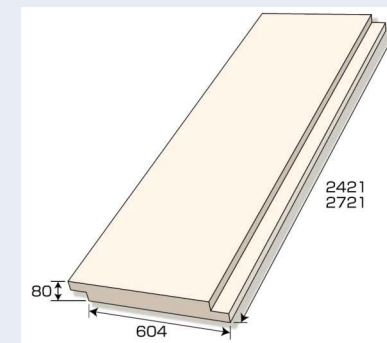
Basic Panel Dimension



MV-8030c

Burglar resistance	TRTLV-60
Fire resistance	2PH
Net weight	187kg/m ²
Height	H2421mm H2721mm
Thickness	80mm

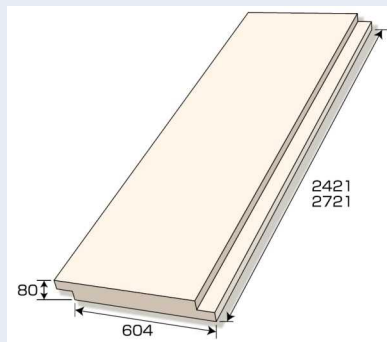
Basic Panel Dimension



MV-8025

Burglar resistance	TRTLV-40
Fire resistance	2PH
Net weight	110kg/m ²
Height	H2421mm H2721mm
Thickness	80mm

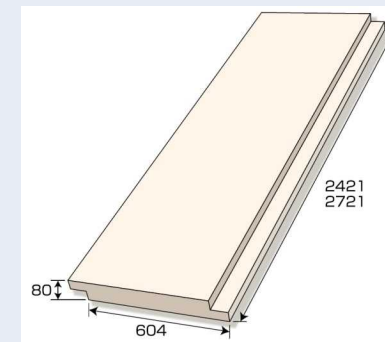
Basic Panel Dimension



MV-80b

Burglar resistance	Equivalent to RC200mm
Fire resistance	2-hour
Net weight	90kg/m ²
Height	H2421mm H2721mm
Thickness	80mm

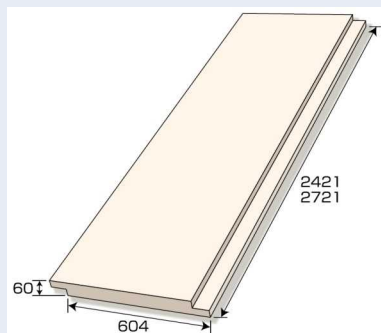
Basic Panel Dimension



PV-60c

Burglar resistance	TLV-15
Fire resistance	2PH
Net weight	104kg/m ²
Height	H2421mm H2721mm
Thickness	60mm

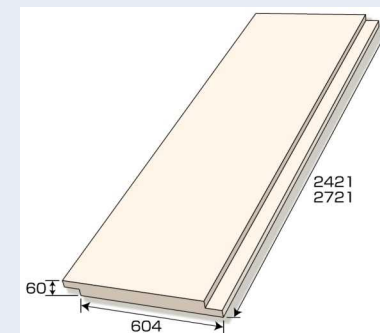
Basic Panel Dimension



PV-60Lc

Burglar resistance	-
Fire resistance	2PH
Net weight	70kg/m ²
Height	H2421mm H2721mm
Thickness	60mm

Basic Panel Dimension



Type	Thickness (mm)	Fire resistance *	Burglar resistance *
SMV-120c	120	3PH	TRTLV-130
MV-120K/Sc	120	4PH	TRTLV-60
MV-8030c	80	2PH	TRTLV-60
MV-8025	80	2PH	TRTLV-40
MV-80b	80	2-hour	Equivalent to RC200mm
PV-60c	60	2PH	TLV-15
PV-60Lc	60	2PH	-

* Fire resistance and burglar resistance are certified by the Federation of Japan Safe Furniture Cooperatives.
(MV-80 is not applicable.)