

SOFT PVC SHEET “TAKA SHEET”



FULL LINE-UP WITH HIGH FUNCTIONAL PARTITION MATERIAL MAKES THE BEST SPACE WITH AN OPTIMUM COMBINATION AND ACHIEVE THE HIGH WORKING EFFICIENCY.

■ Features

1. Provision of optimum circumstance

Simple door opening and closing. Demonstrating the excellent effect of sound proof, dust proof, moth repellent, humid proof. Further, transparent sheet with well-lighting property contributes to the improvement of efficiency of bright functional working circumstance

2. Driving “Saving Energy”

Control the escape of the cool and warmth to a minimum due to quick door opening and closing function. Open air is drastically shut out, which boosts the effect of air-conditioning and heating. If used as a partition to the freezing compartment, freezer with different temperature can be easily achieved. Great contribution to saving energy.

3. Easy achievement of multi-space

If space in factory or warehouse is partitioned, some spaces for the purpose of different usage can be easily held. Take for instance, making a sound proof room or lounge in the part of factory or making a working place in the part of warehouse, Partition or layout of room can be easily made as you like and effective usage can be achieved in the limited space.

4. Excellent economical effect and durability

Easy fitting and removal. No need to perform a big remodeling work. Easy fitting to the present construction. Cheap equipment cost. Excellent durability. After fitted, maintenance cost is not occurred. You can use as a flexible and economical entrance.

5. Great role to safety

Smooth passage of person, truck or cart. Excellent transparency which prevents the collision at time of coming in and out. The round edge process of both sheet edges corners are made and take the safety into consideration fully.

■ **Application**

- Prevention of the spread of sound and noise
- Excellent effect of keeping temperature and coldness
- Demonstration to dust proof, wind shield, deodorization, moisture-proof powerfully.
- Big effect to the repellent of moth and birds.

■ **Special grade**

- **Ultra cold-proof**

Center door or partition of freezer or refrigerator at -20°C ~ -45°C. Door or partition of food factory or perishable food market, etc.

- **Moth repellent with antistatic property**

Especial optimum for food and feed factory, warehouse at time of working at night time.

- **Welding bronze with antistatic property**

Effective to shield the harmful UV caused by welding or afternoon sunshine.

- **Smoked gray with antistatic property**

Prevention of afternoon sun shine

- **Fire-proof with antistatic property**

Usage for fireproof factory or factory in which fire is used or for construction work. Registered to Japan Fire Retardant Association No. AT020001, AT020002, AT0000009.

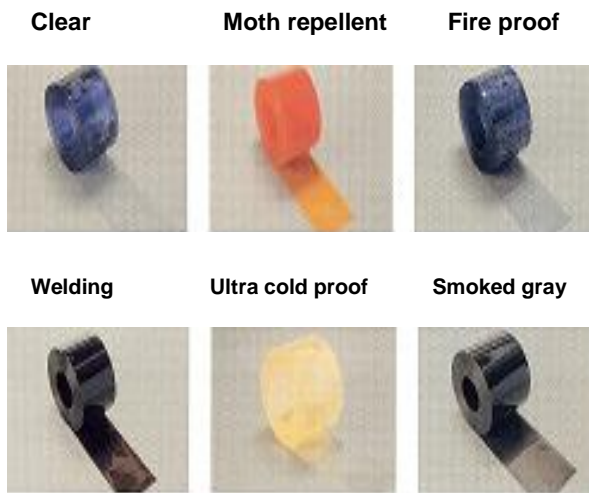


- **Pointers (sheet with rib)**

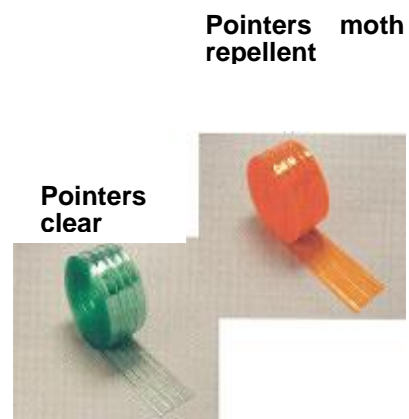
Pointers have a rib to the sheet both sides, which prevents the sheet from sustaining the scratches and keeps its transparency for a long time.

Pointers have an appearance thickness and is very strong to the wind resistance, that gains the strong keeping the temperature and maintenance of cold effect. Further, contact areas are very small and easy passage of vehicle like a forklift.

<TAKA SHEET>



<Pointers>



- ※ Consult us about special width, thickness, color.
- ※ Change must be made without notification

■ **The kind of sheet and its dimension**

● **Taka sheet**

Dimension (thick mm x width mm)	Length (m)					
	Antistatic clear	Antistatic moth repellent	Ultra cold-proof	Antistatic fire proof	Antistatic welding bronze	Antistatic smoked gray
2 x 100	30	30	30	—	—	—
2 x 200	12, 30	12, 30	12, 30	12, 30	12, 30	—
2 x 300	12, 30	12, 30	12, 30	12, 30	—	—
3 x 200	12, 30	12, 30	12, 30	—	—	—
3 x 300	12, 30	12, 30	12, 30	12, 30	12, 30	12, 30
4 x 300	12, 30	12, 30	—	—	—	—

*** Pointers**

Dimension (thick mm x width mm)	Length (m)		
	Antistatic clear	Antistatic moth repellent	Ultra cold-proof
2 x 200	12, 30	12,30	30
2 x 300	12, 30	12, 30	—
3 x 200	12, 30	12, 30	—
3 x 300	12, 30	12, 30	30
4 x 300	12, 30	12, 30	—

*** Flexible door**

	Ultra cold proof
Dimension(thickness mm x width mm)	4 x 1050
Length (m)	10

*** Wide width**

	Antistatic clear	Antistatic Moth repellent	Antistatic Fire proof	Antistatic welding bronze
Dimension (thick mm x width mm)	1 x 915, 1830	1 x 915	1 x 915	2 x 915
	2 x 915, 1830	2 x 915	2 x 915	2 x 915
	3 x 915	3 x 915	3 x 195	2 x 915
Length (m)	12	12	12	12

*** Windbreak effect**

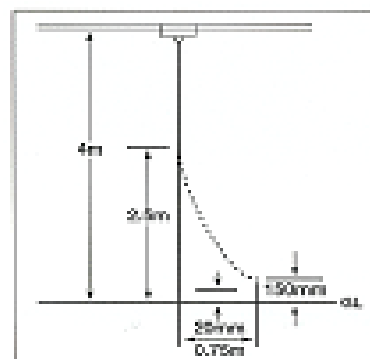
Sheet is not turned up by the wind velocity to be caused by ordinary bad weather due to high air tightness made by overlap structure and sheet itself own weight. Work can be done safely.

Taka sheet: 4 mm x 300 mm

Complete overlap Metal tool B type

Opening part: Width 5 M x height 4M

Wind velocity : 10 m /sec.



Sound shut-out effect

Noise of inside and outside is shut out. Excellent effect is demonstrated to the prevention of sound spread. Great contribution to the prevention of air pollution. Below is the data showing the result of sound reduction at time of using the high speed printer when Taka sheet was fitted.

● High speed printer noise level at time of operation

	A	63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz
Inside computation	79dB	43dB	49dB	55dB	65dB	65dB	70dB	76dB
Outside computation (Hallway)	63dB	38dB	46dB	49dB	55dB	55dB	57dB	58dB
Noise (hallway)	57dB							

Taka sheet: 2 mm x 300 mm

One area is overlapped Metal tool B type

Opening area: Width 2.6 m x height 2.75 M

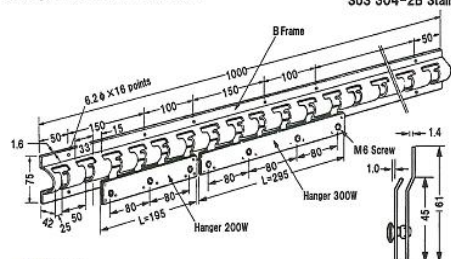
● Sheet physical property

Sheet kind Test item	Taka sheet General grade		Ultra cold proof	Fire proof	Remark
	2mm	3· 4mm	4mm	2mm	Test method
Hardness (JIS A hardness meter)	80	78	76	89	JISK6301
Tensile strength (N/mm ²)	19	16	14	19	JISK6732
Elongation (%)	390	400	390	380	JISK6732
Right angle tearing strength(N/mm)	58	54	37	62	JISK6732
Brittle temperature (°C)	-55	-56	-70	-23	JISK7216
Light transmittance (%)	82	80	87	62	JISK7105

Easy Removal Hanger

SUS 304-2B Stainless

*Please be careful gap position of hole if you drill holes against materials which hangers are installed in advance.



B Frame



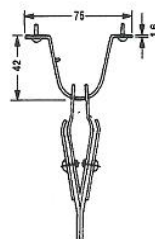
Iron
SUS



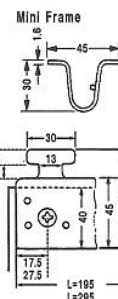
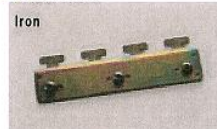
● Mini Frame



Iron
SUS



- Hanger 200W



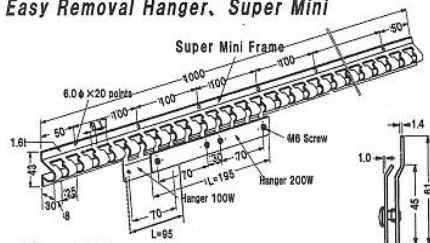
300W



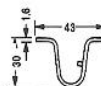
Easy Removal Hanger, Super Mini

*Please be careful gap position of hole if you drill holes against materials which hangers are installed in advance.

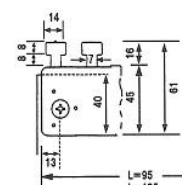
*Please be careful gap position of hole if you drill holes.



● Super Mini Frame



● Super Mini Hanger 100W



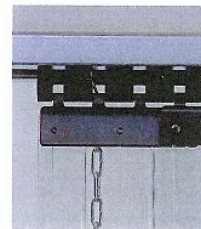
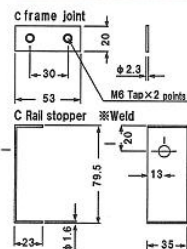
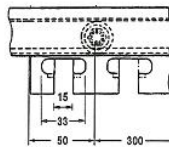
Super Mini Hanger 200W



Sheet width	Partial Hanging(mm)	Total Hanging(mm)
100 ※Super Mini Type	<p>25 50 25</p> <p>Room Height ~2m 13 pcs per m in opening width</p>	<p>50 50 50</p> <p>Room Height ~2.5m 20 pcs per m in opening width</p>
200 ※Common Type of B and C	<p>50 100 50</p> <p>Room Height ~2.5m 7 pcs per m in opening width</p>	<p>100 100 100</p> <p>Room Height ~3m 10 pcs per m in opening width</p>
300 ※Common Type of B and C	<p>100 100 100</p> <p>Room Height ~4m 5 pcs per m in opening width</p>	<p>150 150 150</p> <p>Room Height ~5m 7 pcs per m in opening width</p>

Sliding Type

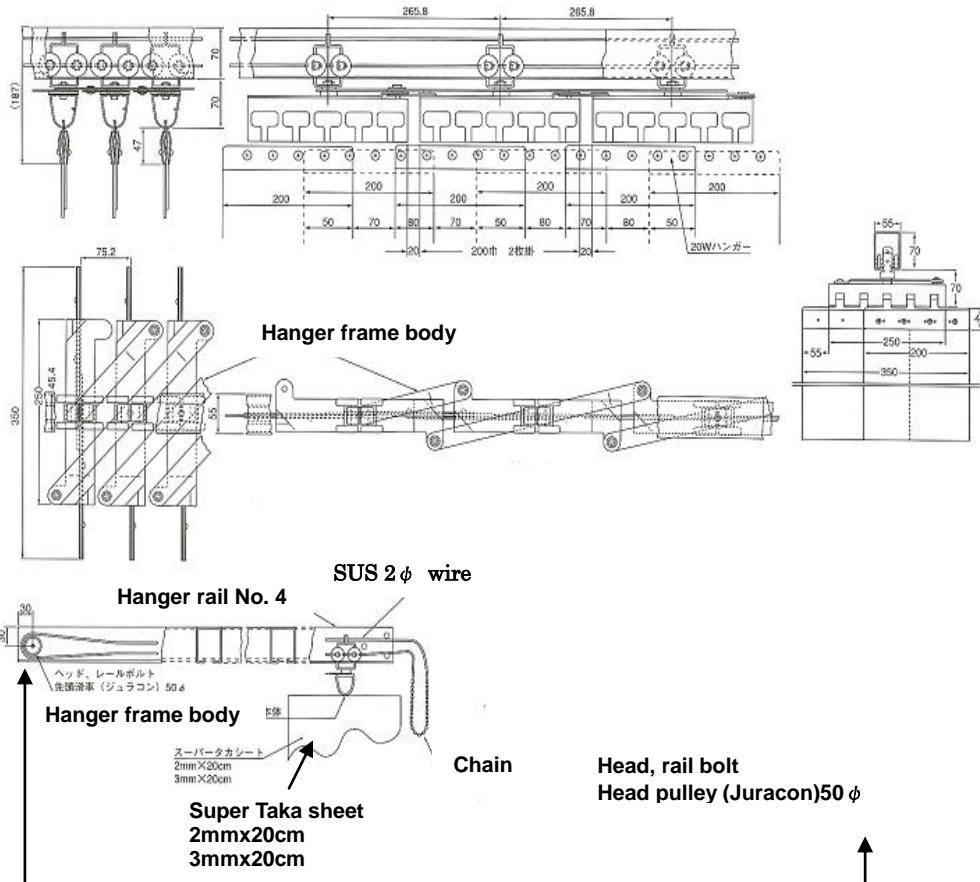
Materials:※SPCC-C Olive Chromate Plating



※Electric Auto Driven Open/Close Type is also Available. (High Mecha Door)

TYPE D Open and shut method

Chain pulling manual type with Accordion method



- ※ Maximum frontage : One side opening: W 3600
- ※ : Both sides opening: W 7200 (W 3600 x 2 units)
- ※ SUS 2φ wire can use up to the height of 4 M of opening area

● Kind and Parts

Type	Usable width	Parts component	
TA-1800	1350 mm (A total of 14 pcs of D type 200W hangers are used)	Hanger rail	2020 mm x 1 pce
		Chain	5 m
		Clip	Big size 4 pcs Small size 4 pcs
		SUS wire	6 m
		Hanger frame body	7 pcs
TA-2700	1950 mm (A total of 20 pcs of D type 200W hangers are used)	Hanger rail	2830 mm x 1 pce
		Chain	5 m
		Clip	Big size 4 pcs Small size 4 pcs
		SUS wire	9 m
		Hanger frame body	10pcs
TA-3600	2500 mm (A total of 26 pcs of D type 200W hangers are used)	Hanger rail	3640 mm x 1 pce
		Chain	5 m
		Clip	Big size 4 pcs Small size 4 pcs
		SUS wire	12 m
		Hanger frame body	13pcs

TYPE AD

Accordion opening & closing method

Sheet can be put into both edges compactly. Automatic door of sheet folding type with opening and closing method.

❑ Application example

Automatic opening and closing with sensor.

Opening and closing can be done in manual method..

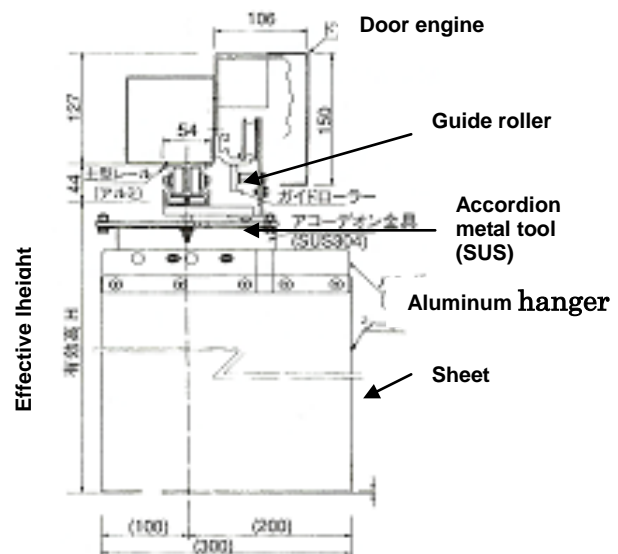


- If people pass only, people can push his way to inside from both sides under which sensor is not functioned . No need to open and close the curtain excessively.
- If cart enters the area where sensor is functioning, sheet is folded to both sides and you can enter the room without touching the sheet from opening area.
- Sheet closes automatically. Sheet does not keep open like a manual method.

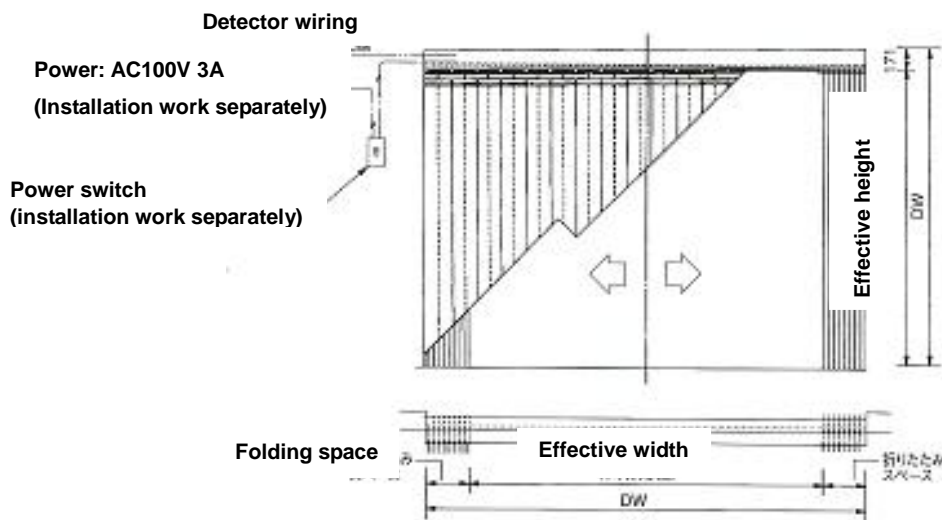
Storage cross section

❑ Excellent reliability

Accordion metal tool developed by automatic door has a dust-proof treatment on it and it is mainly made of stainless steel and aluminum. Wear resistant Derlin bearing made of plastic is used on an exclusive rail (aluminum extruded product) and metal roll has an excellent durability and gives you a quiet and smooth movement.



Fitting reference drawing



❑ High speed opening and closing

Double swing door type.
Opening and closing speed
about 1M/sec.
Door made of vinyl sheet is soft.
There are no any fear at time of
opening and closing.



❑ Variety of Specification

Specification	
Production range	W1000mm~W2000mm · W1000mm~W6000mm
Folding space	Single : Up to 2m 400mm· over W2m Abt. W Dim. X 1/5
	Double: Up to 4M400mm x 2(both sides) OverW4m Abt W dimx1/5
Power	AC 100V ± 10V 5A, 50· 60Hz Max. 110W
Opening and closing speed	Single:250~500mm/sec.(Changeable) Double:500~1000mm/sec.
Door opening time	1· 2· 3· 5· 7· 10· 20· 30 sec. (Changeable:8-gear type)
Motor · Speed reduction machine	Brush less mold DC motor · Tight close: Auto belt method
Control method	Control with micro processor
Starting switch (option)	Light· heat· Pull switch· foot· wireless touch· Press bottom, radio

The kind of sheet and starting switch can be selectable by its application.
(Sensor, Pull switch, Touch switch etc.) Production size ranges from 1m(width) to 20m (Past max. record 18 W m x 15 H m) to deal with wide width. Single swing door and Double swing door can be selectable. ※ Manual type available