

## Strip curtain 680



The Powercurtain 680 is a transparent strip curtain, suitable to be used as a draught resistant curtain between intermediate areas, outer doors or as dust resistance and sound resistance in work area as or around machines.

PVC strip curtains provide the ideal flexible entrance. Cold air inlet and heat flows will be limited and fast, safe transportation within the areas is feasible by means of a minor investment.

### Materials

The high quality materials and finish ensure an optimum isolation and endurance.

The suspension system is fully hinged by means of swinging brackets, made from one single piece of synthetic material, and all steel work is galvanised and are of a robust workmanship. As such a long life span of the strip curtain is ensured.

Furthermore, the fully pre-mounted suspension system and the swinging brackets ensure the easy and simple positioning of the strips. After the installation of the suspension system the strips can easily be suspended and fixed by means of a bolt and nut.

	Standard	Cold air resistant
<b>Material</b>	PVC	P.V.C.
<b>Rupture strength (DIN 53515)</b>	> 50 daN/cm <sup>3</sup>	> 28 daN/cm <sup>3</sup>
<b>Tensile strength (DIN 53455)</b>	approx. 1,6 daN/mm <sup>2</sup>	approx. 1,15 daN/mm <sup>2</sup>
<b>Temperature-resistant</b>	-15° up to +50°C	-20° up to +30°C
<b>Transparency (ASTM D1003)</b>	>80%	>80%
<b>Sound-insulation (DIN52210)</b>	>35dB	>35dB

The strips have been made from a high quality PVC and are available in two different models: standard or cold

air resistant. Based on the selection of the materials the strips remain flexible for a long period of time. The material has a high rupture and tensile strength as well as a high sound-insulating performance and temperature-resistance. Discolouring due to sunlight is prevented by integrating a UV-stabiliser. As such a long-lasting transparency shall be obtained, resulting in increased safety and the prevention of damage to your products. The strips have been provided with rounded-off edges, in order to ensure a flexible passage.

### Dimension and overlap

The strip curtains are available in various sizes and thickness. Standard width of the strips are: 200, 300 and 400 mm in the respective thickness of 2, 3 and 4 mm.

Type	Width	Thickness	Overlap	
2/80	200 mm	2 mm	80 mm	80%
3/60	300 mm	3 mm	90 mm	60%
3/80	300 mm	3 mm	120 mm	80%
3/100	300 mm	3 mm	150 mm	100%
4/60	400 mm	4 mm	120 mm	60%
4/80	400 mm	4 mm	160 mm	80%
4/100	400 mm	4 mm	200 mm	100%

The Powercurtain 680 is available with various overlap percentages of the strips. A minimum overlap ensures a flexible passage. Maximum overlap ensures an improved isolation effect. The option for the correct thickness and overlap is crucial with regard to the effectiveness of the strip curtain (see table below):

	Suited for the overall height up to:	
	internal	external
<b>2/80%</b>	1500 mm	
<b>3/60%</b>	2300 mm	2000 mm
<b>3/80%</b>	3000 mm	2300 mm
<b>3/100%</b>	3500 mm	3000 mm
<b>4/60%</b>	4500 mm	3200 mm
<b>4/80%</b>	5000 mm	4000 mm
<b>4/100%</b>	6000 mm	5000 mm

### Application

Whilst using the Powercurtain strip curtains isolation is mere child's play. The flexible strips will close automatically after being passed through. These practical doors are therefore not only the ultimate solution against cold air and draught, they also ensure that your costs for heating shall not be high. Additionally these transparent doors provide a number of significant extras:

- Safety (due to transparency)
- Sound reduction (up to 25dB possible)
- Protection against dust, draught and insects

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For client specific solutions there is a large selection of designs, finishes, built-in possibilities available as well as options to increase the user-friendliness and improving safety.

### Options

- Cold air resistant model:  
For application in refrigeration rooms and cold-storage rooms Loading Systems has special cold air resistant models available, durable resistant against low temperatures (up tot  $-20^{\circ}\text{C}$ ).
- (Double) sliding model:  
the strip curtains are available as a sliding model, being integrated in galvanised steel rails and ball-bearing rollers.
- Locking mechanism for the sliding model:  
*To ensure that the sliding strip curtain can be fixed in each position.*
- Red strips  
*To mark the passage width.*
- Galvanised swinging brackets
- Stainless steel model

### Built-in possibilities

The strip curtains may be mounted either in front of the clear width or within the opening. Detailed instructions are available upon request.

PVC strip curtains prevent draught and improve the working climate considerably. As such these curtains recover the costs involved within a impressive short period of time. How short this period is? We would be pleased to calculate this cost effectiveness based on your specific situation.