

# ***AXELENT GUARD ACCIDENT PREVENTION***



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**Safe.** Axelent's accident prevention mesh wall systems are developed to satisfy all the requirements that are today placed on a functional accident prevention mesh wall. Excellent safety characteristics in the different accident prevention systems are naturally a matter of course. Our accident prevention systems comply with applicable EN standards, see pages 16-17 for more information.

**Functional.** Besides safety it is important that production also functions as smoothly as possible. Our accident prevention mesh walls are therefore developed to facilitate the flows in and around the machines that require this type of protection.

**Simple.** Axelent's accident prevention mesh walls are built on standardised panels, posts and colours. This ensures that you can complement existing protection as is required. If there is a need for a special solution, there is even a cutting package which can customise your accident prevention mesh wall both horizontally and vertically. See page 21 for more information.

**Economical.** Versatility and simple handling, together with rapid delivery and assembly ensure that you always obtain a good total economy when you choose Axelent's accident prevention mesh wall.

**Three different systems**





Axelent's accident prevention mesh wall systems are divided into three systems jointly known as Guard: **MasterGuard, FlexiGuard and EasyGuard<sup>+</sup>**. Which one you choose depends on your particular requirements.

Also included in our FlexiGuard series is our Plastic and Sheet metal system – a system that can be combined with all the other “members” of the Guard family. The combination alternatives apply to all our systems and we are very willing to help you make the right choice. We ensure that all our standard-colour accident prevention mesh wall systems are kept in stock.

►► **Note!** In accordance with the EN standards EN 953 5.10 and 7.5, see pages 16-17, we recommend black sections and yellow posts for accident prevention mesh wall. We have selected these contrasting colours taking into consideration factors such as safety, machine accessibility and visibility.



**AXELENT'S  
STANDARD COLOURS  
ACCIDENT PREVENTION**

-  Black RAL 9011
-  Yellow RAL 1018
-  Light grey RAL 9018
-  Blue RAL 5005

► AXELENT

# MASTERGUARD

## ACCIDENT PREVENTION



MasterGuard is an accident prevention mesh wall that is in a class of its own in terms of quality, safety and design. The entire system has been designed to create as safe a workplace as possible, even in the toughest environments. The basic element is a closely spaced mesh where we, in the latest version, have further increased safety by reducing the mesh aperture to cc 51 x 21 mm. The required safety distance is 120 mm, which facilitates assembly in close proximity to moving parts. Something that also saves expensive production areas.

We also offer a cutting package so you can ensure that your mesh walls suit precisely to your particular needs, both horizontally and vertically. See page 21 for more information. If you require special plastic or sheet metal panels we have these as well. See pages 12-13 for further details.

MasterGuard is available in several different standard sizes and is delivered wrapped on special pallets directly from our stores in Hillerstorp, Sweden.

Our strong 50 x 70 mm post with welded foot.

### PRODUCT FACTS

Safety distance.....	120 mm
Uprights.....	30 x 20 mm
Horizontals .....	25 x 15 mm
Posts .....	50 x 70 mm or 50 x 50 mm
Vertical wires .....	Ø 3 mm
Horizontal wires.....	Ø 2.5 mm
Mesh apertures .....	cc 51 x 21 mm
Finish .....	Phosphatizing/Epoxy paint
Colour mesh panels .....	Black RAL 9011
Colour post 50x50.....	Yellow RAL 1018
.....	Blue RAL 5005
.....	Black RAL 9011
.....	Light grey RAL 9018
Colour post 50x70.....	Yellow RAL 1018
Colour u-section.....	Yellow RAL 1018
.....	(other colours can be quoted)

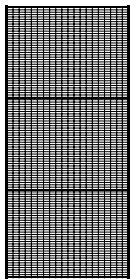


Under the name Axelent Safety, we have gathered all our specialist knowledge within accident prevention. Axelent Safety takes total responsibility that comprises the entire accident prevention safety process – from design to CE approved plant. Contact us and we will be happy to tell you more about how we can help you.



▲ MasterGuard around a fully automated palletiser for bagged or wrapped ends produced at NPB Automation AB in Sweden.

## MASTERGUARD



### MESH PANELS (Height 2200 mm)

Art. no.	Height (mm)	Width (mm)
<b>Black (RAL 9011)</b>		
305-220-025.....	2200	250
305-220-040.....	2200	400
305-220-050.....	2200	500
305-220-060.....	2200	600
305-220-070.....	2200	700
305-220-080.....	2200	800
305-220-090.....	2200	900
305-220-100.....	2200	1000
305-220-110.....	2200	1100
305-220-120.....	2200	1200
305-220-130.....	2200	1300
305-220-140.....	2200	1400
305-220-150.....	2200	1500



### POSTS

Art. no.	Gap to floor (mm)	Height (mm)
<b>Yellow (RAL 1018)</b>		
(50x70 mm)		
191-230-005.....	100	2300
(50x50 mm)		
190-230-005.....	100	2300
<b>Blue (RAL 5005)</b>		
(50x50 mm)		
290-230-005.....	100	2300
<b>Black (RAL 9011)</b>		
(50x50 mm)		
390-230-005.....	100	2300
<b>Light grey (RAL 9018)</b>		
(50x50 mm)		
490-230-005.....	100	2300

# FLEXIGUARD

## ACCIDENT PREVENTION



FlexiGuard around a transport track at Danfoss A/S, Denmark. The system is supplied through T.U.Langebaek by Gebhardt.

Build new, modify or expand. And do so simply, safely and economically with Axelent FlexiGuard – the accident prevention mesh wall that offers almost unlimited potential in the way that the elements can be combined and used. With a mesh aperture of cc 51 x 31 mm, FlexiGuard not only provides very safe shielding, but also means that you can reduce the safety distance to moving parts to as little as 200 mm, thereby saving space. The FlexiGuard panels are available in three heights and numerous widths.

We also offer a cutting package so you can ensure that your mesh walls suit precisely your particular needs, both horizontally and vertically, see page 21. And if you require special plastic or sheet metal panels we have these as well, see pages 12-13.

Simply add the appropriate door package, lock and accessories (see pages 18-21) to FlexiGuard. The result is a very flexible and highly practical accident prevention mesh wall. Similarly to our other products, FlexiGuard is delivered wrapped on specially-adapted pallets direct from our stores in Hillerstorp, Sweden.

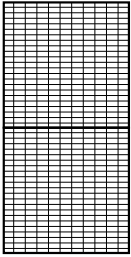
### PRODUCT FACTS

Safety distance.....	200 mm
Uprights.....	30 x 20 mm
Horizontals.....	25 x 15 mm
Posts.....	50 x 50 mm
Vertical wires.....	Ø 3 mm
Horizontal wires.....	Ø 2.5 mm
Mesh apertures.....	cc 51 x 31 mm
Finish.....	Phosphatizing/Epoxy paint
Colour mesh panels.....	Light grey RAL 9018 (only in 2200 mm)
.....	Black RAL 9011
Colour post.....	Yellow RAL 1018
.....	Blue RAL 5005
.....	Black RAL 9011
.....	Light grey RAL 9018
Colour u-section.....	Yellow RAL 1018
.....	Blue RAL 5005
.....	(other colours can be quoted)



FlexiGuard as protection around a tunnel to prevent operators to get their arms through the conveyor. This solution is frequently asked for within the automotive industry.

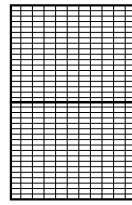
## FLEXIGUARD



### MESH PANELS (Height 2200 mm)

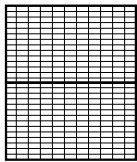
Art. no.	Height (mm)	Width (mm)
<b>Black (RAL 9011)</b>		
303-220-025.....	2200	250
303-220-040.....	2200	400
303-220-050.....	2200	500
303-220-060.....	2200	600
303-220-070.....	2200	700
303-220-080.....	2200	800
303-220-090.....	2200	900
303-220-100.....	2200	1000
303-220-110.....	2200	1100
303-220-120.....	2200	1200
303-220-130.....	2200	1300
303-220-140.....	2200	1400
303-220-150.....	2200	1500

The mesh panels with a height of 2200 mm are also available in Light grey (RAL 9018), in this case the article no. starts with 403.



### MESH PANELS (Height 1900 mm)

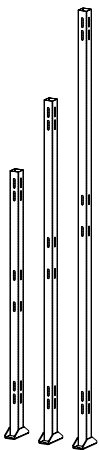
Art. no.	Height (mm)	Width (mm)
<b>Black (RAL 9011)</b>		
303-190-025.....	1900	250
303-190-040.....	1900	400
303-190-050.....	1900	500
303-190-060.....	1900	600
303-190-070.....	1900	700
303-190-080.....	1900	800
303-190-090.....	1900	900
303-190-100.....	1900	1000
303-190-110.....	1900	1100
303-190-120.....	1900	1200
303-190-130.....	1900	1300
303-190-140.....	1900	1400
303-190-150.....	1900	1500



### MESH PANELS (Height 1300 mm)

Art. no.	Height (mm)	Width (mm)
<b>Black (RAL 9011)</b>		
303-130-025.....	1300	250
303-130-040.....	1300	400
303-130-050.....	1300	500
303-130-060.....	1300	600
303-130-070.....	1300	700
303-130-080.....	1300	800
303-130-090.....	1300	900
303-130-100.....	1300	1000
303-130-110.....	1300	1100
303-130-120.....	1300	1200
303-130-130.....	1300	1300
303-130-140.....	1300	1400
303-130-150.....	1300	1500

### POSTS



Art. no.	Gap to floor (mm)	Height (mm)
<b>Yellow (RAL 1018)</b>		
190-230-005.....	100	2300
190-200-005.....	100	2000
190-140-005.....	100	1400
<b>Blue (RAL 5005)</b>		
290-230-005.....	100	2300
290-140-005.....	100	1400
<b>Black (RAL 9011)</b>		
390-230-005.....	100	2300
390-200-005.....	100	2000
390-140-005.....	100	1400
<b>Light grey (RAL 9018)</b>		
490-230-005.....	100	2300



FlexiGuard as protection around an assembly line at Renault Cléon in France. Axelent's horizontal cutting package and rubber strip have been used to adapt the mesh wall. The panels have also been equipped with MasterBolt.

# FLEXIGUARD PLASTIC AND SHEET METAL ACCIDENT PREVENTION



1



2

Axelent's plastic and sheet metal system also belongs to the FlexiGuard group. The system can be combined with MasterGuard, FlexiGuard and FlexiStore. The plastic and sheet metal system is easy to assemble and you can use the same posts and door packages as for our other mesh wall products. The versatility of our systems means that you can combine plastic, sheet metal and mesh according to your particular requirements. To avoid gaps between the different sections, we recommend that you use our specially adapted sheet metal strip.

The plastic and sheet metal system is available in two heights: 1100 and 2200 mm, as well as in four standard widths. The system is heat resistant up to 60 degrees centigrade.

If you would like coloured plastic to protect against e.g. weld flash we can of course supply this. Our coloured plastic complies with fire standard UL94 D0 and also EN 1598. Similarly to our other products the plastic and sheet metal sections are delivered carefully wrapped on special pallets directly from our stores in Hillerstorp, Sweden.

**1 3** FlexiGuard mesh, plastic and sheet metal around sheet metal working machines at Vinco in Spain. Axelent's sliding door with X-Lock has been used.

**2** FlexiGuard coloured plastic protecting against, e.g. weld flash, around a welding robot at Daalderop, Holland. The project is delivered by TM Engineering-Service.

## PRODUCT FACTS

Uprights .....	30 x 20 mm
Horizontals .....	25 x 15 mm
Plastic .....	2 mm (thermoplastic polyester)
Sheet metal .....	0,8 mm
Posts .....	50 x 50 mm
Mesh apertures .....	cc 51 x 31 mm
Colour panels .....	Black RAL 9011
.....	Light grey RAL 9018
Colour post.....	Yellow RAL 1018
.....	Black RAL 9011
.....	Blue RAL 5005
.....	Light grey RAL 9018
.....	(other colours can be quoted)



3



**WALL PANELS PLASTIC** (Height 2200 mm)

Art. no.	Height (mm)	Width (mm)
<b>Black (RAL 9011)</b>		
310-220-025.....2200	.....	250
310-220-040.....2200	.....	400
310-220-070.....2200	.....	700
310-220-100.....2200	.....	1000



**WALL PANELS PLASTIC** (Height 1100 mm)

Art. no.	Height (mm)	Width (mm)
<b>Black (RAL 9011)</b>		
310-110-025.....1100	.....	250
310-110-040.....1100	.....	400
310-110-070.....1100	.....	700
310-110-100.....1100	.....	1000
<b>Coloured plastic against, e.g. weld flash (not kept in stock, panels are manufactured to order)</b>		
013-110-025.....1100	.....	250
013-110-040.....1100	.....	400
013-110-070.....1100	.....	700
013-110-100.....1100	.....	1000



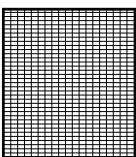
**WALL PANELS SHEET METAL** (Height 2200 mm)

Art. no.	Height (mm)	Width (mm)
<b>Black (RAL 9011)</b>		
311-220-025.....2200	.....	250
311-220-040.....2200	.....	400
311-220-070.....2200	.....	700
311-220-100.....2200	.....	1000



**WALL PANELS SHEET METAL** (Height 1100 mm)

Art. no.	Height (mm)	Width (mm)
<b>Black (RAL 9011)</b>		
311-110-025.....1100	.....	250
311-110-040.....1100	.....	400
311-110-070.....1100	.....	700
311-110-100.....1100	.....	1000



**MESH PANELS** (Height 1100 mm)

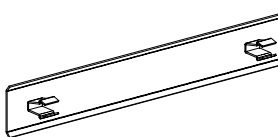
Art. no.	Height (mm)	Width (mm)
<b>Black (RAL 9011)</b>		
312-110-025.....1100	.....	250
312-110-040.....1100	.....	400
312-110-070.....1100	.....	700
312-110-100.....1100	.....	1000

**POSTS**

Art. no.	Gap to floor (mm)	Height (mm)
<b>Yellow (RAL 1018)</b>		
190-230-005.....	100	2300
<b>Blue (RAL 5005)</b>		
290-230-005.....	100	2300
<b>Black (RAL 9011)</b>		
390-230-005.....	100	2300
<b>Light grey (RAL 9018)</b>		
490-230-005.....	100	2300



The panels and sheet metal strips are also available in light grey (RAL 9018). In this case, the art. no. starts with 4.



**SHEET METAL STRIP**

Art. no.	Length (mm)
<b>Black (RAL 9011)</b>	
311-000-025.....	250
311-000-040.....	400
311-000-070.....	700
311-000-100.....	1000

# EASYGUARD+ ACCIDENT PREVENTION



EasyGuard+ mounted on the 60x30 mm post, the foot is separately assembled.

EasyGuard+ is the right choice when you are looking for a cost effective system that is easy to assemble.

This system is compatible with Axelent's other guarding and storage ranges. The standard doors for EasyGuard+ are sliding door with maximum width 1400 and 2900 mm, hinge door and double hinge door. These can be used with X-Lock or Snap lock.

Remaining FlexiGuard doors can be used together with EasyGuard+. In these cases you have to use 50x50 mm posts at the sides of the door, together with FlexiGuard door section (20x30 mm frame).

EasyGuard+ offers easier assembly of the foot compared to other systems. When assembling, three different posts can be used (300, 1200 or 2300 mm), these will be mounted behind the panels. You can achieve a cheaper solution by mixing high and low posts. It is not recommended only to use the low posts (300 mm).

The door fittings are placed on the panel which means that it is possible to use both 1200 and 2300 mm posts next to the door.

The 60x30 mm post can be used for both 50 and 100 mm gap from floor, while the posts for FlexiGuard and FlexiStore are not the same for different gaps from floor.

## PRODUCT FACTS

Safety distance .....	200 mm
Uprights .....	19 x 19 mm
Horizontals .....	15 x 15 mm
Posts .....	60 x 30 mm
Vertical wires .....	ø 3 mm
Horizontal wires .....	ø 2,5 mm
Mesh apertures .....	cc 51 x 31 mm
Finish .....	Phosphatizing/Epoxy paint
Colour mesh panels .....	Black RAL 9011
Colour posts .....	Yellow RAL 1018
Colour u-section .....	Yellow RAL 1018
.....	(other colours can be quoted)



EasyGuard+ in special colour (RAL 9018) as protection in an automotive company in Belgium.

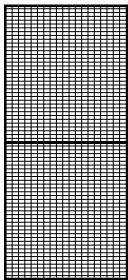


Steering for sliding door.



The attach loop is separately assembled, makes it possible to choose from 50-100 mm gap from floor.

**EASYGUARD+**



**MESH PANELS** (Height 2200 mm)

Art. no.	Height (mm)	Width (mm)
<b>Black (RAL 9011)</b>		
301-220-025.....2200	2200	250
301-220-040.....2200	2200	400
301-220-050.....2200	2200	500
301-220-060.....2200	2200	600
301-220-070.....2200	2200	700
301-220-080.....2200	2200	800
301-220-090.....2200	2200	900
301-220-100.....2200	2200	1000
301-220-110.....2200	2200	1100
301-220-120.....2200	2200	1200
301-220-130.....2200	2200	1300
301-220-140.....2200	2200	1400
301-220-150.....2200	2200	1500

**POSTS**

Art. no.	Gap to floor (mm)	Height (mm)
<b>(RAL 1018)</b>		
<b>Post (60x30 mm)</b>		
195-120-001.....		1200
195-230-001.....		2300
<b>Silver (RAL 9006)</b>		
693-005-000..... 50	50	250
693-010-000..... 100	100	300

