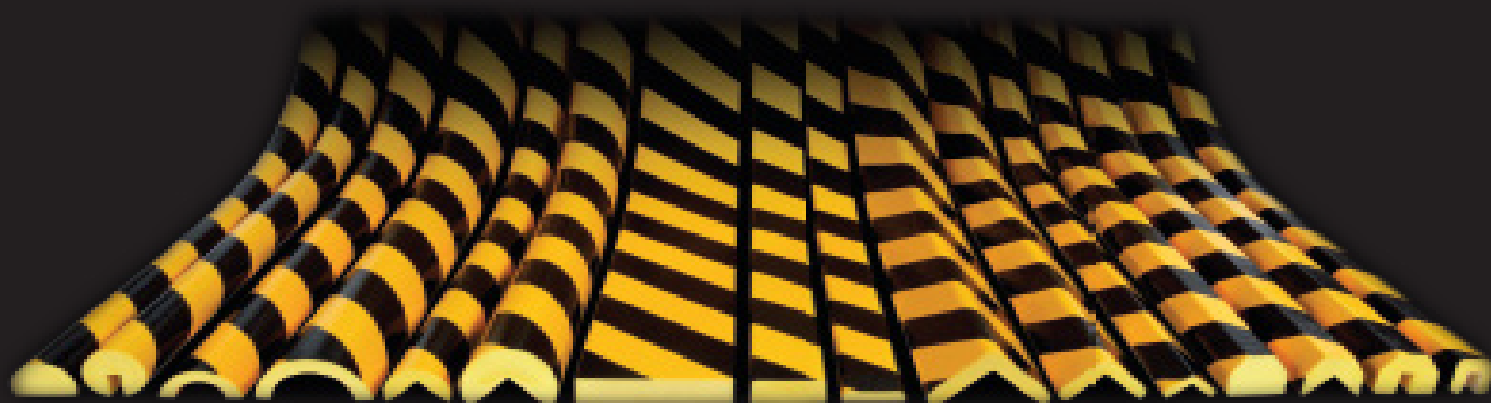
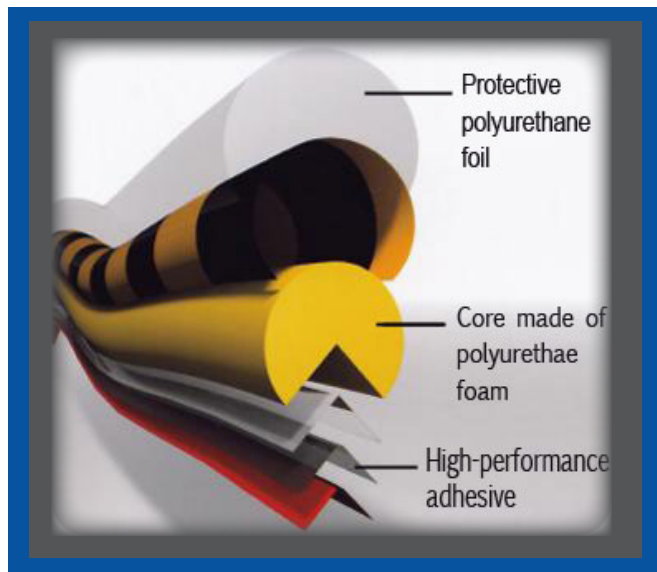




## Warning and Protective Bumper Guards

## פרופילי בטיחות





The secret is in the design of the profile body: In the middle of the profile is a core made of polyurethane foam. This is sheathed in polyurethane foil, which is fixed in place by foaming during production.

The key is in the application of the colours. By using so-called reverse printing on the inward-facing side of the foil, the foil itself protects the paint so that the warning colours remain in place even if heavy abrasion takes place.

A light- and ageing-resistant, high-performance adhesive is applied to the inside or the back of the profiles.

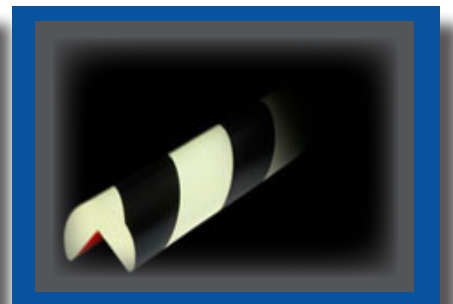
## Colours



Black and Yellow



Red and White



Phosphorescent  
(glow in the dark)



Fluorescent  
(in day light)



White



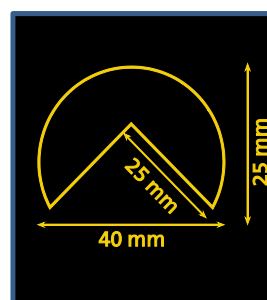
Black



## Warning and Protective Bumper Guards

### Type A

	Item no. Type A		
	1 m	5 m	50 m
black yellow	10010	10020	10040
red white	10110	10120	10140
black	10210	10220	10240
white	10310	10320	10340
flourescent	10710		
glow in the dark	10910		



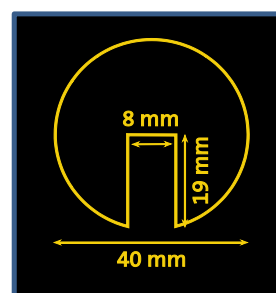
<b>Profile body</b>
Recyclable polyurethane foam, shore hardness 50 A
<b>Surface</b>
Polyurethane foam coloured by reverse printing and fixed in place by foaming so that no paint appears on the outside
<b>Adhesive</b>
Light- and ageing resistant modified acrylic glue, high performance adhesive
<b>Adhesion</b>
21N / 25mm
<b>Resistant to temperatures</b>
Between -40°C and 100°C
<b>Complies with</b>
Fire testing DIN 4102-1 B2, DIN EN ISO 11925-2, DIN EN ISO 13501-1
RoHS Directive 2002/95/EC
PAH testing (Polycyclic aromatic hydrocarbons)
<b>Standard lengths</b>
1 m , 5 m (roll shrunk in foil), 50 m (in cardboard box)
<b>Colours</b>
black/yellow hatching, red/white hatching, black, white, flourescent hatching, glow in the dark hatching
<b>Weight</b>
1m ~ 0.40 kg / 5m ~ 1.83 kg / 50 m ~ 20.0 kg

All the above information is given in good faith, but the figures are typical values only and should not be taken as a guarantee or performance. Manufacturing tolerances for dimensional and technical characteristics apply. The company reserves the right to improve the product and adjust the specification without notice.

## Warning and Protective Bumper Guards

### Type B

	Item no. Type B		
	1 m	5 m	50 m
black yellow	10011	10021	10041
red white	10111	10121	10141
black	10211	10221	10241
white	10311	10321	10341
flourescent	10711		
glow in the dark	10911		



#### Profile body

Recyclable polyurethane foam, shore hardness 46 A

#### Surface

Polyurethane foam coloured by reverse printing and fixed in place by foaming so that no paint appears on the outside

#### Resistant to temperatures

between -40°C and 100°C

#### Complies with

Fire testing DIN 4102-1 B2, DIN EN ISO 11925-2, DIN EN ISO 13501-1

RoHS Directive 2002/95/EC

PAH testing (Polycyclic aromatic hydrocarbons)

#### Standard lengths

1 m , 5 m (roll shrunk in foil), 50 m (in cardboard box)

#### Colours

black/yellow hatching, red/white hatching, black, white, flourescent hatching, glow in the dark hatching

#### Weight

1m ~ 0.60 kg / 5m ~ 3.07 kg / 50 m ~ 30.0 kg

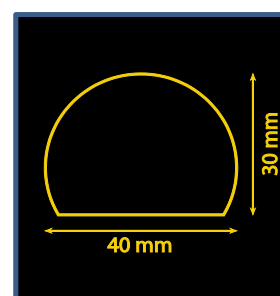
Type B is provided without adhesive and optionally glueable using off the shelf glue.

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## Warning and Protective Bumper Guards

### Type C

	Item no. Type C		
	1 m	5 m	50 m
black yellow	10012	10022	10042
red white	10112	10122	10142
black	10212	10222	10242
white	10312	10322	10342
flourescent	10712		
glow in the dark	10912		



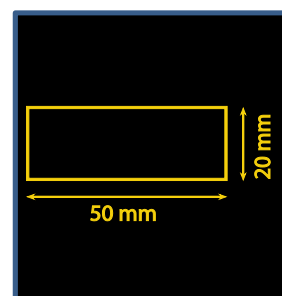
<b>Profile body</b>
Recyclable polyurethane foam, shore hardness 48 A
<b>Surface</b>
Polyurethane foam coloured by reverse printing and fixed in place by foaming so that no paint appears on the outside
<b>Adhesive</b>
Light- and ageing resistant modified acrylic glue, high performance adhesive
<b>Adhesion</b>
21N / 25mm
<b>Resistant to temperatures</b>
Between -40°C and 100°C
<b>Complies with</b>
Fire testing DIN 4102-1 B2, DIN EN ISO 11925-2, DIN EN ISO 13501-1
RoHS Directive 2002/95/EC
PAH testing (Polycyclic aromatic hydrocarbons)
<b>Standard lengths</b>
1 m , 5 m (roll shrinked in foil), 50 m (in cardboard box)
<b>Colours</b>
black/yellow hatching, red/white hatching, black, white, flourescent hatching, glow in the dark hatching
<b>Weight</b>
1m ~ 0.47 kg / 5m ~ 2.40 kg / 50 m ~ 23.50 kg

All the above information is given in good faith, but the figures are typical values only and should not be taken as a guarantee or performance. Manufacturing tolerances for dimensional and technical characteristics apply. The company reserves the right to improve the product and adjust the specification without notice.

## Warning and Protective Bumper Guards

### Type D

	Item no. Type D		
	1 m	5 m	50 m
black yellow	10013	10023	10043
red white	10113	10123	10143
black	10213	10223	10243
white	10313	10323	10343



<b>Profile body</b>
Recyclable polyurethane foam, shore hardness 49 A
<b>Surface</b>
Polyurethane foam coloured by reverse printing and fixed in place by foaming so that no paint appears on the outside
<b>Adhesive</b>
light- and ageing resistant modified acrylic glue, high performance adhesive
<b>Adhesion</b>
21N / 25mm
<b>Resistant to temperatures</b>
between -40°C and 100°C
<b>Complies with</b>
Fire testing DIN 4102-1 B2, DIN EN ISO 11925-2, DIN EN ISO 13501-1
RoHS Directive 2002/95/EC
PAH testing (Polycyclic aromatic hydrocarbons)
<b>Standard lengths</b>
1 m , 5 m (roll shrunk in foil), 50 m (in cardboard box)
<b>Colours</b>
black/yellow hatching, red/white hatching, black, white,
<b>Weight</b>
1m ~ 0.62 kg / 5m ~ 2.61 kg / 50 m ~ 31.0 kg

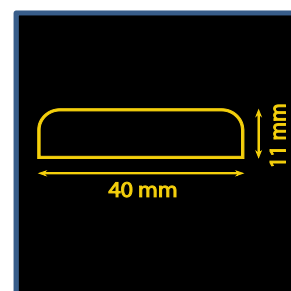
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## Warning and Protective Bumper Guards

### Type F

	Item no. Type F		
	1 m	5 m	50 m
black yellow	10015	10025	10045
red white	10115	10125	10145
black	10215	10225	10245
white	10315	10325	10345



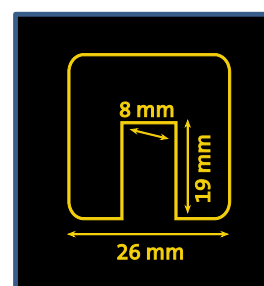
<b>Profile body</b>
Recyclable polyurethane foam, shore hardness 52 A
<b>Surface</b>
Polyurethane foam coloured by reverse printing and fixed in place by foaming so that no paint appears on the outside
<b>Adhesive</b>
light- and ageing resistant modified acrylic glue, high performance adhesive
<b>Adhesion</b>
21N / 25mm
<b>Resistant to temperatures</b>
between -40°C and 100°C
<b>Complies with</b>
Fire testing DIN 4102-1 B2, DIN EN ISO 11925-2, DIN EN ISO 13501-1
RoHS Directive 2002/95/EC
PAH testing (Polycyclic aromatic hydrocarbons)
<b>Standard lengths</b>
1 m , 5 m (roll shrunk in foil), 50 m (in cardboard box)
<b>Colours</b>
black/yellow hatching, red/white hatching, black, white,
<b>Weight</b>
1m ~ 0.30 kg / 5m ~ 1.25 kg / 50 m ~ 15.0 kg

All the above information is given in good faith, but the figures are typical values only and should not be taken as a guarantee or performance. Manufacturing tolerances for dimensional and technical characteristics apply. The company reserves the right to improve the product and adjust the specification without notice.

## Warning and Protective Bumper Guards

### Type G

	Item no. Type G		
	1 m	5 m	50 m
black yellow	10016	10026	10046
red white	10116	10126	10146
black	10216	10226	10246
white	10316	10326	10346



<b>Profile body</b>
Recyclable polyurethane foam, shore hardness 50 A
<b>Surface</b>
Polyurethane foam coloured by reverse printing and fixed in place by foaming so that no paint appears on the outside
<b>Adhesive</b>
High performance adhesive tape
<b>Adhesion</b>
38N / 25mm
<b>Resistant to temperatures</b>
Between -40°C and 100°C
<b>Complies with</b>
Fire testing DIN 4102-1 B2, DIN EN ISO 11925-2, DIN EN ISO 13501-1
RoHS Directive 2002/95/EC
PAH testing (Polycyclic aromatic hydrocarbons)
<b>Standard lengths</b>
1 m , 5 m (roll shrunk in foil), 50 m (in cardboard box)
<b>Colours</b>
black/yellow hatching, red/white hatching, black, white, flourescent hatching, glow in the dark hatching
<b>Weight</b>
1m ~ 0.38 kg / 5m ~ 1.99 kg / 50 m ~ 19.0 kg

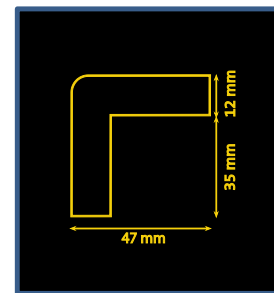
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## Warning and Protective Bumper Guards

### Type H

	Item no. Type H		
	1 m	5 m	50 m
black yellow	10017	10027	10047
red white	10117	10127	10147
black	10217	10227	10247
white	10317	10327	10347



<b>Profile body</b>
Recyclable polyurethane foam, shore hardness 50 A
<b>Surface</b>
Polyurethane foam coloured by reverse printing and fixed in place by foaming so that no paint appears on the outside
<b>Adhesive</b>
Light- and ageing resistant modified acrylic glue, high performance adhesive
<b>Adhesion</b>
21N / 25mm
<b>Resistant to temperatures</b>
Between -40°C and 100°C
<b>Complies with</b>
Fire testing DIN 4102-1 B2, DIN EN ISO 11925-2, DIN EN ISO 13501-1
RoHS Directive 2002/95/EC
PAH testing (Polycyclic aromatic hydrocarbons)
<b>Standard lengths</b>
1 m , 5 m (roll shrunk in foil), 50 m (in cardboard box)
<b>Colours</b>
black/yellow hatching, red/white hatching, black, white, flourescent hatching, glow in the dark hatching
<b>Weight</b>
1m ~ 0.50 kg / 5m ~ 2.35 kg / 50 m ~ 25.0 kg

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## Warning and Protective Bumper Guards Accessories / Corners

Type	Item no. black	Item no. white	Shore Hardness	Weight kg	
A 2D	10810	10816	71 A	0.048	
A 3D	10811	10817	75 A	0.054	
E 2D	10812	10818	72 A	0.015	
E 3D	10813	10819	69 A	0.020	
H 2D	10814	10820	62 A	0.040	
H 3D	10815	10821	69 A	0.050	

**Profile body**

Recyclable polyurethane foam

**Adhesive**

Corners are equipped with double sided adhesive tape

**Resistant to temperatures**

between -40°C and 100°C

**Sales Unit**

1 corner

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