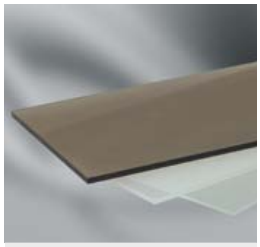
10 PANEL ELEMENTS

Panel elements
Products in this section



Acrylic Glass

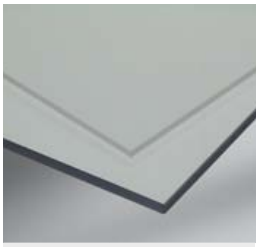
- Available in transparent, tinted and frosted versions
- Excellent dimensional stability

297

Polycarbonate

- Maximum protection for man and machine
- Impact-proof and available in clear and tinted versions

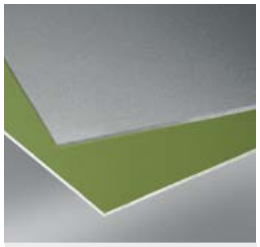
299



PET-G

- Transparent and deformation-free
- Impact-proof and the best optical properties

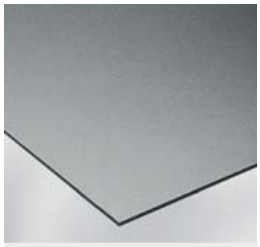
301



Sheet Material Al

- Stable and durable
- Available in two surface finishes

302



Compound Material Al

- Lightweight and insulating
- Anodized sheets with a PE core

302

Compound Material St

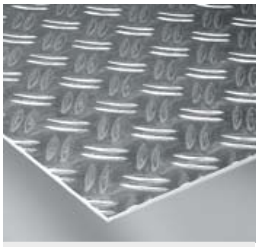
- Steel with a white plastic coating, suitable for use with magnets

303

Plastics

- For surfaces and panelling that have to take a lot of punishment
- Wear resistant and resistant to impacts
- Also available in ESD-safe version

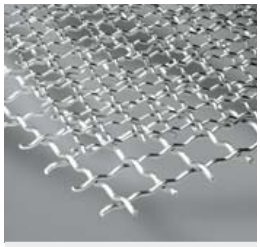
304



Chequer Sheet

- Stable and non-slip
- For steps and platforms

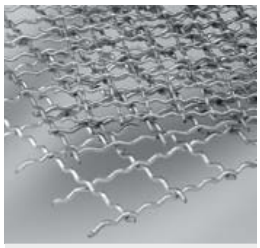
307



Corrugated Mesh Al

- For lightweight guards and enclosures
- Particularly easy to machine

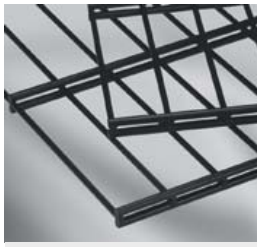
308



Corrugated Mesh St

- For high-strength fixtures
- Available in three mesh widths

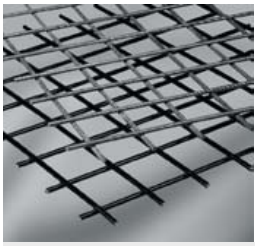
309



Dual-Rod Mesh

- Stable even without a frame
- Two mesh widths available

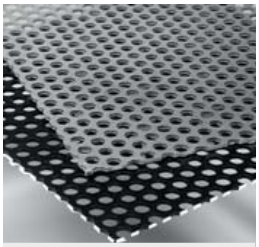
310



Steel Mesh

- Welded wires ensure exceptional stability
- Can be inserted directly into the profile groove

312



Perforated Sheet

- Stylish and air-permeable
- Suitable as screening and ventilation covering

313

Sound-Insulating Material

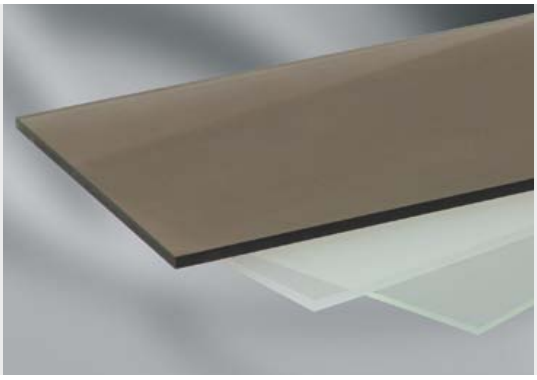
- Create a peaceful environment in offices and production halls
- For partitions in open-plan offices or as a panel element in hoods and enclosures

314

Edge Profile S3 Al

- Attractive finish
- Covering for sharp cut edges

315



Acrylic Glass

- Available in transparent, tinted and frosted versions
- Excellent dimensional stability

Cast acrylic glass with scratch-resistant surface is suitable for doors and casings. The panels can be polished to a high gloss.

Acrylic Glass XT in extruded quality has slightly lower mechanical and thermal load bearing capabilities and optical characteristics than cast panels. But in many applications, it can represent a cost-effective alternative.

Whether double-frosted, tinted, opal-white or glass-look, Acrylic Glass is ideal for use as translucent partitions designed to restrict visibility and for the stylish design of wall and ceiling elements. It exhibits excellent dimensional stability at higher temperatures coupled with good light diffusion and transmission characteristics, which also make it ideal for light boxes and backlit advertising areas.

Property	Value	Test Standard
Density	1.19 g/cm^3	ISO 1183
Water absorption	30 mg	ISO 62
Tensile strength	82 N/mm^2	ISO 527
Elongation at tear	5.6 %	ISO 527
Modulus of elasticity in tension	3300 N/mm^2	ISO 527
Impact resistance (without notch)	2 kJ/m^2	ISO 179
Vicat softening temperature	110 °C	ISO 306
Coefficient of thermal expansion	70 x10^{-6} K^{-1}	DIN 52612
Construction material class	B 2	DIN 4102
Refractive index	1.49 n_D20	ISO 489
Luminous transmission index clear / tinted	93.7% / 41%	DIN 5036-T3
Surface resistance	10^{14} Ohm	DIN 53482

Materials used in all the following products:
PMMA

Acrylic Glass 4mm XT	
Panel dimensions approx. 3050x2050 mm Thickness tolerance ± 5% m = 4.60 kg/m^2	
clear, cut-off max. 3020x2020 mm	0.0.492.09
clear, 1 pce. panel dimensions. max. 3050x2050 mm	0.0.492.05

Acrylic Glass 5mm XT	
Panel dimensions approx. 3050x2050 mm Thickness tolerance ± 5% m = 5.75 kg/m^2	
clear, cut-off max. 3020x2020 mm	0.0.492.16
clear, 1 pce. panel dimensions. max. 3050x2050 mm	0.0.492.15

Acrylic Glass 2mm	
Panel dimensions approx. 3050x2030 mm Thickness tolerance ± 10% m = 2.30 kg/m^2	
clear, cut-off max. 3020x2000 mm	0.0.476.21
clear, 1 pce. panel dimensions. max. 3050x2030 mm	0.0.476.13

Acrylic Glass 5mm	
Panel dimensions approx. 3050x2030 mm Thickness tolerance ± 10% m = 5.90 kg/m²	
clear, cut-off max. 3020x2000 mm	0.0.428.21
clear, 1 pce. panel dimensions. max. 3050x2030 mm	0.0.457.06
tinted, cut-off max. 3020x2000 mm	0.0.388.97
tinted, 1 pce. panel dimensions. max. 3050x2030 mm	0.0.404.79

Acrylic Glass 8mm	
Panel dimensions approx. 3000x2000 mm Thickness tolerance ± 10% m = 9.44 kg/m²	
clear, cut-off max. 2970x1970 mm	0.0.428.22
clear, 1 pce. panel dimensions. max. 3000x2000 mm	0.0.457.07
tinted, cut-off max. 2970x1970 mm	0.0.026.46
tinted, 1 pce. panel dimensions. max. 3000x2000 mm	0.0.404.74

Acrylic Glass 4mm double-frosted	
Panel dimensions approx. 3050x2030 mm Thickness tolerance ± 10% m = 4.60 kg/m²	
opal-white, cut-off max. 3020x2000 mm	0.0.492.36
opal-white, 1 pce. panel dimensions. max. 3050x2030 mm	0.0.492.35
tinted, cut-off max. 3020x2000 mm	0.0.492.40
tinted, 1 pce. panel dimensions. max. 3050x2030 mm	0.0.492.39
glass-look, cut-off max. 3020x2000 mm	0.0.492.38
glass-look, 1 pce. panel dimensions. max. 3050x2030 mm	0.0.492.37

Polycarbonate

Maximum protection for man and machine

- Impact-proof and exceptionally safe
- Available in clear and tinted versions

Polycarbonate is impact resistant and is therefore ideal for use as a panel element for cost-effective enclosures, even in relatively small thicknesses. Its high strength and transparency mean that the material is particularly suitable for applications where it is important both to be able to monitor processes and yet provide adequate protection for personnel.

Property	Value	Test Standard
Density	1.2 g/cm^3	ISO 1183
Water absorption	8 mg	ISO 62
Tensile strength	60 N/mm^2	ISO 527
Elongation at tear	80 %	ISO 527
Modulus of elasticity in tension	2200 N/mm^2	ISO 527
Impact resistance (without notch)	doesn't break	ISO 179
Vicat softening temperature	145 °C	ISO 306
Coefficient of thermal expansion	65 x10^{-6} K^{-1}	DIN 52612
Construction material class	B 2	DIN 4102
Refractive index	1.585 n_D20	ISO 489
Luminous transmission index clear / tinted	86% / 51%	DIN 5036-T3
Surface resistance	10^{14} Ohm	DIN 53482

Materials used in all the following products:
PC

Polycarbonate 2mm	
Panel dimensions approx. 3050x2050 mm Thickness tolerance ± 5% m = 2.40 kg/m^2	
clear, cut-off max. 3020x2020 mm	0.0.479.61
clear, 1 pce. panel dimensions. max. 3050x2050 mm	0.0.477.69

Polycarbonate 4mm	
Panel dimensions approx. 3050x2050 mm Thickness tolerance ± 5% m = 4.80 kg/m^2	
clear, cut-off max. 3020x2020 mm	0.0.483.50
clear, 1 pce. panel dimensions. max. 3050x2050 mm	0.0.483.49

Polycarbonate 5mm	
Panel dimensions approx. 3050x2050 mm Thickness tolerance ± 5% m = 6.00 kg/m^2	
clear, cut-off max. 3020x2020 mm	0.0.428.23
clear, 1 pce. panel dimensions. max. 3050x2050 mm	0.0.457.14
tinted, cut-off max. 3020x2020 mm	0.0.428.24
tinted, 1 pce. panel dimensions. max. 3050x2050 mm	0.0.457.15

Polycarbonate 8mm	
Panel dimensions approx. 3050x2050 mm Thickness tolerance ± 5% m = 9.60 kg/m²	
clear, cut-off max. 3020x2020 mm	0.0.428.25
clear, 1 pce. panel dimensions. max. 3050x2050 mm	0.0.457.16
tinted, cut-off max. 3020x2020 mm	0.0.428.26
tinted, 1 pce. panel dimensions. max. 3050x2050 mm	0.0.457.17

PET-G

Transparent and free from distortion

- Best optical properties
- Impact-proof
- Resistant to chemicals

PET-G (glycol-modified polyethylene terephthalate) is an impact-resistant, clear plastic used for constructing machine casings, protective housings and partitions, and is suitable for both indoor and outdoor use.

This highly transparent material exhibits a far higher resistance to impact than acrylic glass and is also easier to work with. It displays better optical characteristics than polycarbonates and is more resistant to chemicals.

Property	Value	Test standard
Density	1.27 g/cm³	D 1505
Tensile strength	50 N/mm²	DIN 53455
Elongation at tear	54 %	DIN 53455
Modulus of elasticity in tension	2200 N/mm²	DIN 53455
Impact resistance (without notch)	doesn't break	DIN 53453
Vicat softening temperature	82 °C	DIN 53460
Coefficient of thermal expansion	6.8 x10^{-5} K^{-1}	DIN 53752
Construction material class	B 1	DIN 4102
Refractive index	1.57 n_D20	DIN 53491
Luminous transmission index clear / tinted	88%	DIN 5036
Surface resistance	≥10^{16} Ohm	D 257

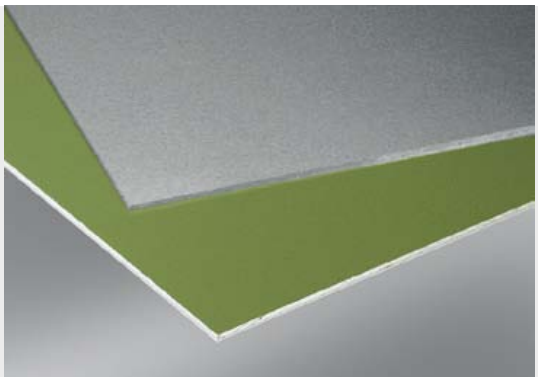
Materials used in all the following products:
PET

PET-G 4mm	
Panel dimensions approx. 3050x2050 mm Thickness tolerance ± 4% m = 5.13 kg/m²	
clear, cut-off max. 3020x2020 mm	0.0.492.07
clear, 1 pce. panel dimensions. max. 3050x2050 mm	0.0.492.03

PET-G 5mm	
Panel dimensions approx. 3050x2050 mm Thickness tolerance ± 4% m = 6.40 kg/m²	
clear, cut-off max. 3020x2020 mm	0.0.493.77
clear, 1 pce. panel dimensions. max. 3050x2050 mm	0.0.493.76

PET-G 6mm	
Panel dimensions approx. 3050x2050 mm Thickness tolerance ± 4% m = 7.70 kg/m²	
clear, cut-off max. 3020x2020 mm	0.0.492.81
clear, 1 pce. panel dimensions. max. 3050x2050 mm	0.0.492.80

PET-G 7mm	
Panel dimensions approx. 3050x2050 mm Thickness tolerance ± 4% m = 8.98 kg/m²	
clear, cut-off max. 3020x2020 mm	0.0.492.08
clear, 1 pce. panel dimensions. max. 3050x2050 mm	0.0.492.04



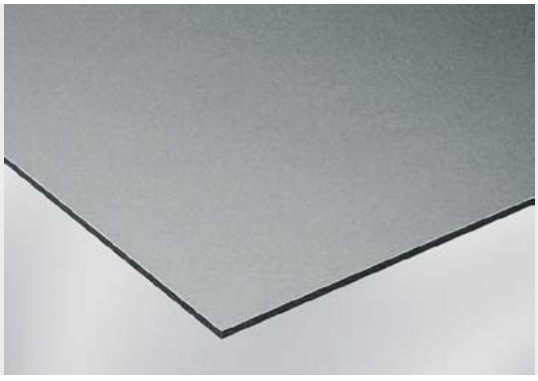
Sheet Material Al

- Stable and durable
- Available in two surface finishes

Sheet Material Al is suitable for machine casings of all types.

Property	Value
Density	2.7 g/cm³
Modulus of elasticity	70,000 N/mm²
Tensile strength	120 N/mm²
Ductile yield A5	5 %
Anodized natural	E6/EV1
Min. layer thickness	10 µm
Layer hardness	250 - 350HV

Sheet Material Al 2mm	
AlMg1 Panel dimensions approx. 3000x1500 mm m = 5.40 kg/m²	
cold rolled (not degreased), cut-off max. 2970x1470 mm	0.0.428.27
cold rolled (not degreased), 1 pce. panel dimensions. max. 3000x1500 mm	0.0.457.09
natural anodized, cut-off max. 2970x1470 mm	0.0.473.08
natural anodized, 1 pce. panel dimensions. max. 3000x1500 mm	0.0.473.09



Compound Material Al

- Lightweight and insulating

Compound Material Al consists of two anodized aluminium outer layers which are permanently bonded together by a PE core. It is ideal for lightweight doors and panelling.

Property	Value
Tensile strength R_m	> 130 N/mm²
0.2 limit $R_{p0.2}$	> 90 N/mm²
Ductile yield	> 8 %
Modulus of elasticity E	70,000 N/mm²
Flexural strength	53 N/mm²
Temperature resistance	- 50°C to + 80°C
Coefficient of thermal expansion	$23x10^{-6}$ K^{-1}
Construction material class in accordance with DIN 4102	B2

Compound Material Al 4mm	
Al-PE compound Panel dimensions approx. 3000x1500 mm m = 5.80 kg/m²	
natural anodized, cut-off max. 2960x1470 mm	0.0.026.73
natural anodized, 1 pce. panel dimensions. max. 3000x1500 mm	0.0.457.21

Compound Material St

- With white plastic coating
- With easy-clean surface that can be written on
- Suitable for use with magnets

Besides being magnetic, the surface of the Compound Material can also be directly written on.
Compound Material St 2 mm comprises 5 layers and is suitable for use with magnets and whiteboard markers.
You can also use the Compound Material as a base for the magnetic Notice Holders or for “pinning up” notices with magnets.
Available as a panel or a cut-off in the dimensions of your choice.

Property	Value
Tensile strength R_m	> 800 N/mm²
Ductile yield	> 30 %
Modulus of elasticity E	400,000 N/mm²
Temperature resistance	100°C

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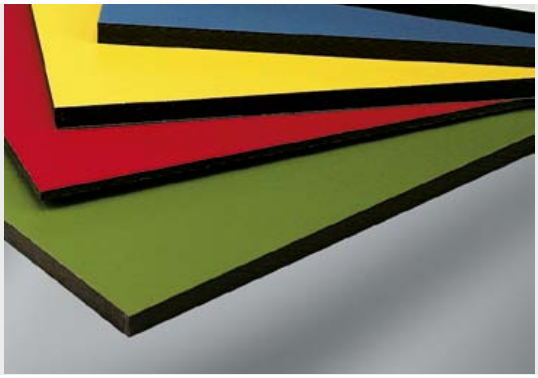
Compound Material St 2 mm	
St-PE compound m = 6.87 kg/m²	
white similar to RA L 9016, cut-off max. 3020x1190 mm	0.0.636.04
white similar to RA L 9016, 1 pce. panel dimensions. max. 3050x1220 mm	0.0.633.97



Plastics

- For surfaces and panelling that have to take a lot of punishment
- Wear resistant and resistant to impacts
- Antistatic surface
- Available in several colours

Plastic is a thermosetting material which is permanently laminated at high pressure and temperature. This gives it exceptional abrasion and impact resistance, making it suitable for panelling, table surfaces and partitions subject to high stresses.

It has antistatic.

Thanks to their hygienic melamine resin surface, Plastic panels have exceptional mechanical properties and high temperature resistance and are also particularly resistant to a large number of chemicals. Consequently, they can be used where substances such as

- laboratory and industrial chemicals
- solvents
- disinfectants
- colouring agents
- bleaching agents
- industrial oils and emulsions

act on the surface.

Some chemicals may, however, corrode the surface. This depends on the

- concentration
- exposure time
- temperature

of the agents used.

Changes to the dimensions of Plastic panels due to the absorption of moisture and thermal expansion should be taken into account when installing them in frame structures. These panels may warp if exposed to moisture on one side only.

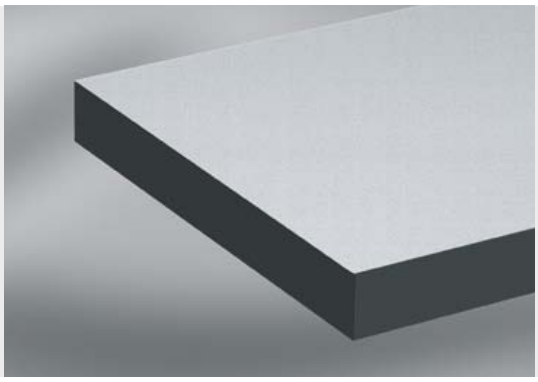
Note:
RAL numbers of colours apply to varnishes.
Due to the different manufacturing processes, the brilliance and colouring of laminated Plastic panels can vary greatly. Consequently, if there is any doubt a comparison should always be made with original samples provided by your item sales partner.

Property	Value	Test standard
Density	1.4 g/cm^3	
Wearing resistance	450 min^{-1}	EN 438 T2
Scratch resistance	3.0 N	EN 438
Flexural strength	110 N/mm^2	EN 438 T2
Modulus of elasticity	12,000 N/mm^2	EN 438 T2
Tensile strength	80 N/mm^2	EN 438 T2
Coefficient of thermal expansion	20 x10^{-6} K^{-1}	DIN 52612
Construction material class	B 2	DIN 4102
Surface resistance	<10^{11} Ohm	DIN 53482

The following applies to all the products below:
Resin-bonded cellulose laminate
similar to RAL colour code
Thickness tolerance ± 8%
Panel dimensions approx. 2800x1850 mm

Plastic 4mm	
m = 5.72 kg/m²	
white similar to RA L 9016, cut-off max. 2770x1820 mm	0.0.473.04
white similar to RA L 9016, 1 pce. panel dimensions. max. 2800x1850 mm	0.0.473.05
green, similar to RAL 6000, cut-off max. 2770x1820 mm	0.0.619.16
green, similar to RAL 6000, 1 pce. panel dimensions. max. 2800x1850 mm	0.0.619.17
red, similar to RAL 3000, cut-off max. 2770x1820 mm	0.0.428.43
red, similar to RAL 3000, 1 pce. panel dimensions. max. 2800x1850 mm	0.0.457.33
yellow, similar to RAL 1034, cut-off max. 2770x1820 mm	0.0.428.44
yellow, similar to RAL 1034, 1 pce. panel dimensions. max. 2800x1850 mm	0.0.457.28
blue, similar to RAL 5024, cut-off max. 2770x1820 mm	0.0.428.45
blue, similar to RAL 5024, 1 pce. panel dimensions. max. 2800x1850 mm	0.0.457.27
grey, similar to RAL 7035, cut-off max. 2770x1820 mm	0.0.428.46
grey, similar to RAL 7030, cut-off max. 2770x1820 mm	0.0.428.47
grey, similar to RAL 7035, 1 pce. panel dimensions. max. 2800x1850 mm	0.0.457.29
grey, similar to RAL 7030, 1 pce. panel dimensions. max. 2800x1850 mm	0.0.457.30
black, similar to RAL 9017, cut-off max. 2770x1820 mm	0.0.474.37
black, similar to RAL 9017, 1 pce. panel dimensions. max. 2800x1850 mm	0.0.473.12

Plastic 10mm	
m = 14.60 kg/m²	
white similar to RA L 9016, cut-off max. 2770x1820 mm	0.0.473.06
white similar to RA L 9016, 1 pce. panel dimensions. max. 2800x1850 mm	0.0.473.07
green, similar to RAL 6000, cut-off max. 2770x1820 mm	0.0.619.14
green, similar to RAL 6000, 1 pce. panel dimensions. max. 2800x1850 mm	0.0.619.15
red, similar to RAL 3000, cut-off max. 2770x1820 mm	0.0.428.89
red, similar to RAL 3000, 1 pce. panel dimensions. max. 2800x1850 mm	0.0.457.26
yellow, similar to RAL 1034, cut-off max. 2770x1820 mm	0.0.428.90
yellow, similar to RAL 1034, 1 pce. panel dimensions. max. 2800x1850 mm	0.0.457.23
blue, similar to RAL 5024, cut-off max. 2770x1820 mm	0.0.428.91
blue, similar to RAL 5024, 1 pce. panel dimensions. max. 2800x1850 mm	0.0.457.22
grey, similar to RAL 7035, cut-off max. 2770x1820 mm	0.0.428.92
grey, similar to RAL 7030, cut-off max. 2770x1820 mm	0.0.428.93
grey, similar to RAL 7035, 1 pce. panel dimensions. max. 2800x1850 mm	0.0.457.25
grey, similar to RAL 7030, 1 pce. panel dimensions. max. 2800x1850 mm	0.0.457.24
black, similar to RAL 9017, cut-off max. 2770x1820 mm	0.0.474.36
black, similar to RAL 9017, 1 pce. panel dimensions. max. 2800x1850 mm	0.0.473.16



Plastic ESD

For the protection of electronic components

- For maximum conductivity requirements
- Meets EPA requirements

ESD

The Plastic ESD panel is specifically designed for use in EPA workplaces where the handling of electronic components makes special safety precautions necessary (EPA = **E**lectro-static **P**rotected **A**rea).

The low discharge resistance ($7.5x10^5\ \Omega < R < 10^9\ \Omega$) on the surface of the panel and in the core of the material allows it to be used as a table top without need for an additional conductive edge strip, or to be used in workpiece carriers with milling or drilled holes whose cut edges have the same discharge properties as the surface.

It has the same resistance to mechanical, thermal and chemical loading as the standard antistatic design. The presence of additives to facilitate electrostatic discharge can result in slight deviations in colour in the surface layer and core material.

Property	Value	Test Standard
Density	1.4 g/cm³	
Wearing resistance	450 min^{-1}	EN 438 T2
Scratch resistance	3.0 N	EN 438
Flexural strength	110 N/mm²	EN 438 T2
Modulus of elasticity	12,000 N/mm²	EN 438 T2
Tensile strength	80 N/mm²	EN 438 T2
Coefficient of thermal expansion	20 $x10^{-6}\ K^{-1}$	DIN 52612
Construction material class	B 2	DIN 4102
Surface resistance	$7.5x10^5\Omega < R < 10^9\Omega$	DIN 53482

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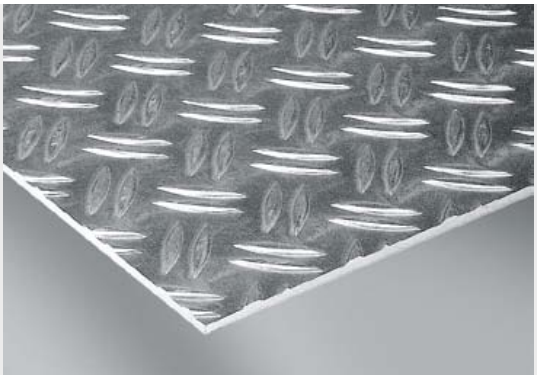
Plastic 4mm, ESD	ESD
Resin-bonded cellulose laminate Panel dimensions approx. 2440x1220 mm m = 5.70 kg/m²	
grey, similar to RAL 7035, cut-off max. 2410x1190 mm	0.0.614.85
grey, similar to RAL 7035, 1 pce. panel dimensions. max. 2440x1220 mm	0.0.614.86

Plastic 10mm, ESD	ESD
Resin-bonded cellulose laminate Panel dimensions approx. 2440x1220 mm m = 14.60 kg/m²	
grey, similar to RAL 7035, cut-off max. 2410x1190 mm	0.0.614.87
grey, similar to RAL 7035, 1 pce. panel dimensions. max. 2440x1220 mm	0.0.614.88

Plastic 16mm, ESD	ESD
Resin-bonded cellulose laminate Panel dimensions approx. 2440x1220 mm m = 24.25 kg/m²	
grey, similar to RAL 7035, cut-off max. 2410x1190 mm	0.0.487.65
grey, similar to RAL 7035, 1 pce. panel dimensions. max. 2440x1220 mm	0.0.487.64



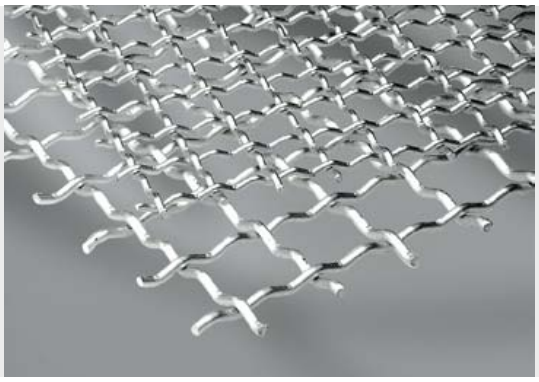
Chequer Sheet

- Stable and non-slip

Aluminium chequer sheet is used for walk-on surfaces or steps.

Property	Value
Density	2.7 g/cm³
Modulus of elasticity	70,000 N/mm²
Tensile strength	200 N/mm²
Ductile yield A5	5%

Chequer Sheet Al 5mm	
AlMg3 “Duett” chequering DIN EN 1386 Sheet Thickness 3.5 mm Panel dimensions approx. 3000x1500mm m = 9.90 kg/m²	
cold rolled (not degreased), cut-off max. 2970x1470 mm	0.0.428.53
cold rolled (not degreased), 1 pce. panel dimensions. max. 3000x1500 mm	0.0.457.18



Corrugated Mesh Al

- For lightweight guards and enclosures
- Particularly easy to machine

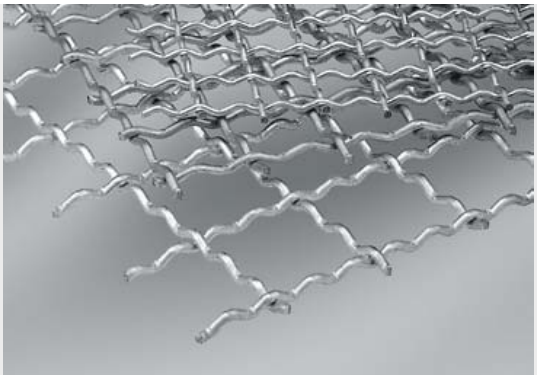
Corrugated Meshes are suitable for guards, enclosures and partitions, in particular when combined with Clamp Profiles. The use of anodized aluminium wires enables them to be used both indoors and outdoors on a permanent basis.

Note on cutting Corrugated Mesh Al to size:
Because of the way the material behaves when cut, the cut-off tolerances are in DIN ISO 2768 tolerance class c.

Property	Value
Density	2.7 g/cm³
Modulus of elasticity	70,000 N/mm²
Tensile strength	120 N/mm²
Ductile yield A5	5 %
Anodized natural	E6/EV1
Min. layer thickness	10 µm
Layer hardness	250 - 350HV

Corrugated Mesh Al 3mm 20x20	
Al, anodized Panel dimensions approx. 3000x1810 mm Minimum cut-off width 150 mm Mesh: 20 mm Wire thickness: 3 mm m = 1.80 kg/m²	
natural anodized, cut-off max. 2970x1780 mm	0.0.196.66
natural anodized, 1 pce. max. 3000x1810 mm	0.0.436.93

Corrugated Mesh Al 4mm 30x30	
Al, anodized Panel dimensions approx. 3000x1810 mm Minimum cut-off width 150 mm Mesh: 30 mm Wire thickness: 4 mm m = 2.10 kg/m²	
natural anodized, cut-off max. 2970x1780 mm	0.0.265.13
natural anodized, 1 pce. max. 3000x1810 mm	0.0.436.94



Corrugated Mesh St

- For high-strength fixtures
- Available in three mesh sizes

Corrugated Meshes St are ideal for safety equipment which is subject to high stresses because of the very rigid steel wire they employ. They are fixed in special Clamp Profiles. Corrugated Meshes St are made from electrogalvanized wires.

Note on cutting Corrugated Mesh St to size:
Because of the way the material behaves when cut, the cut-off tolerances are in DIN ISO 2768 tolerance class c.

Property	Value
Density	7.85 g/cm³
Modulus of elasticity	210,000 N/mm²
Tensile strength	350 N/mm²
Galvanizing	DIN 50960 – Fe/Zn 12A

Materials used in all the following products:
St

Corrugated Mesh St 3mm 20x20	
Panel dimensions approx. 3000x1810 mm Minimum cut-off width 150 mm Mesh: 20 mm Wire thickness: 3 mm m = 5.00 kg/m²	
bright zinc-plated, cut-off max. 2970x1780 mm	0.0.428.32
bright zinc-plated, 1 pce. max. 3000x1810 mm	0.0.457.36

Corrugated Mesh St 4mm 30x30	
Panel dimensions approx. 3000x1810 mm Minimum cut-off width 150 mm Mesh: 30 mm Wire thickness: 4 mm m = 6.20 kg/m²	
bright zinc-plated, cut-off max. 2970x1780 mm	0.0.428.34
bright zinc-plated, 1 pce. max. 3000x1810 mm	0.0.457.37

Corrugated Mesh St 4mm 40x40	
Panel dimensions approx. 3000x1810 mm Minimum cut-off width 150 mm Mesh: 40 mm Wire thickness: 4 mm m = 4.50 kg/m²	
bright zinc-plated, cut-off max. 2970x1780 mm	0.0.428.36
bright zinc-plated, 1 pce. max. 3000x1810 mm	0.0.457.38

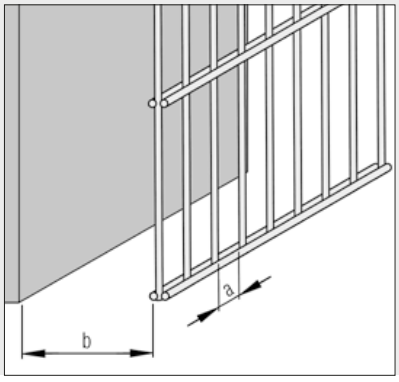
Dual-Rod Mesh

- Stable even without a frame
- Two mesh widths available

Inherently stable panel element for constructing free-standing protective fence structures. Available in two different mesh widths (25 and 50 mm).

The Dual-Rod Meshes are hot-dip galvanized to protect against corrosion. They can also be painted to suit customers' individual needs.
Black Dual-Rod Meshes are supplied powder coated from the factory.

Property	Value
Density	7.85 g/cm³
Modulus of elasticity	210,000 N/mm²
Tensile strength	350 N/mm²
Hot-dip galvanizing	Min. layer thickness 70 µm
Powder coating	Black RAL9005 Min. layer thickness 70 µm

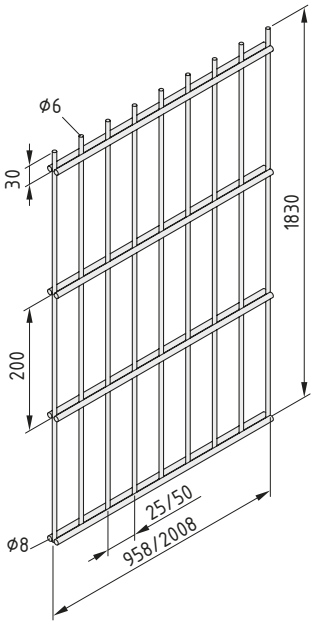


The narrow openings of the mesh prevent people from reaching through (as required by EN 294).

Property	Value	
Mesh width [mm]	25	50
Opening dimension a [mm]	19	44
Distance to danger zone b [mm]	> 120	> 850

Dual-Rod Mesh Hanger 213

Materials used in all the following products:
St



Dual-Rod Mesh 25x200, 1830x958

Wire diameter: 6/8 mm
Mesh width: 25x200 mm
Height: 1830 mm
Width: 958 mm
m = 20.5 kg

bright zinc-plated, 1 pce.	0.0.476.47

Dual-Rod Mesh 25x200, 1830x958

Wire diameter: 6/8 mm
Mesh width: 25x200 mm
Height: 1830 mm
Width: 958 mm
m = 22.0 kg

black, 1 pce.	0.0.446.08

Dual-Rod Mesh 25x200, 1830x2008

Wire diameter: 6/8 mm
Mesh width: 25x200 mm
Height: 1830 mm
Width: 2008 mm
m = 42.3 kg

bright zinc-plated, 1 pce.	0.0.476.46

Dual-Rod Mesh 25x200, 1830x2008

Wire diameter: 6/8 mm
Mesh width: 25x200 mm
Height: 1830 mm
Width: 2008 mm
m = 45.0 kg

black, 1 pce.	0.0.446.07

Dual-Rod Mesh 50x200, 1830x958

Wire diameter: 6/8 mm
Mesh width: 50x200 mm
Height: 1830 mm
Width: 958 mm
m = 13.8 kg

bright zinc-plated, 1 pce.	0.0.476.49

Dual-Rod Mesh 50x200, 1830x958

Wire diameter: 6/8 mm
Mesh width: 50x200 mm
Height: 1830 mm
Width: 958 mm
m = 14.5 kg

black, 1 pce.	0.0.446.06

Dual-Rod Mesh 50x200, 1830x2008

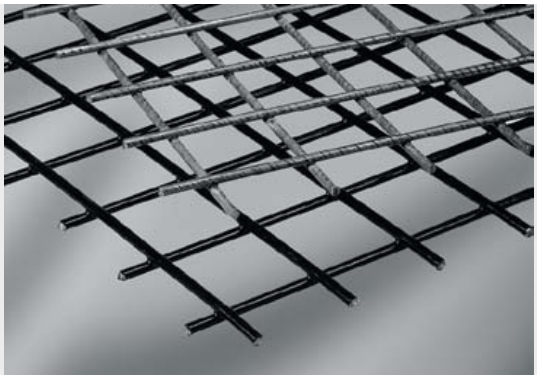
Wire diameter: 6/8 mm
Mesh width: 50x200 mm
Height: 1830 mm
Width: 2008 mm
m = 28.6 kg

bright zinc-plated, 1 pce.	0.0.476.48

Dual-Rod Mesh 50x200, 1830x2008

Wire diameter: 6/8 mm
Mesh width: 50x200 mm
Height: 1830 mm
Width: 2008 mm
m = 30.0 kg

black, 1 pce.	0.0.446.05



Steel Mesh

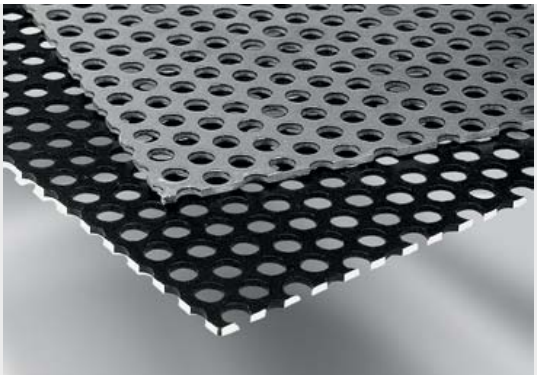
- Stable and strong
- Light objects can be hung on it

Due to the high inherent stability of the Steel Mesh (straight wires, welded), it is also highly suitable for direct use in the profile groove.

Property	Value
Density	7.85 g/cm³
Modulus of elasticity	210,000 N/mm²
Tensile strength	350 N/mm²
Galvanizing	60 g/m²
Powder coating	Black RAL 9005, min. layer thickness 70 µm

Steel Mesh 3.8mm 40x40	
Steel wire (straight wires) Welded, electrogalvanized Approx. 2500x1000 mm Mesh: 40 mm Wire thickness: 3.8 mm m = 5.10 kg/m²	
bright zinc-plated, cut-off max. 2470x970 mm	0.0.428.38
bright zinc-plated, 1 pce. max. 2000x1000 mm	0.0.457.20

Steel Mesh 3.8mm 40x40	
Steel wire (straight wires) Welded, hot-dip galvanized and powder coated Approx. 2000x1000 mm Mesh: 40 mm Wire thickness: 3.8 mm m = 5.30 kg/m²	
black, cut-off max. 1970x970 mm	0.0.428.39
black, 1 pce. max. 2000x1000 mm	0.0.457.19



Perforated Sheet

- Stylish and air-permeable
- For use as screening or ventilation openings

Aluminium Perforated Sheet has a wide range of applications. It can be used to provide screening, for floors and ceilings that permit the passage of air or dust, for storage surfaces or for decorative wall panelling.
The powder-coated version is weather-proof.

Property	Value
Density	2.7 g/cm³
Modulus of elasticity	70,000 N/mm²
Tensile strength	200 N/mm²
Galvanizing	60 g/m²
Powder coating	Black RAL9005 Min. layer thickness 70 µm

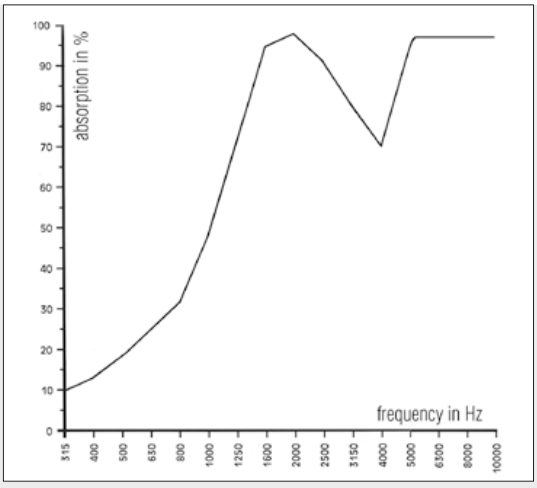
Perforated Sheet Al 3mm	
AlMg3 Cold rolled (not degreased) or coated Hole diameter = 10 mm in offset rows DIN 24041; residual area approx. 60% Panel dimensions approx. 3000x1500 mm m = 4.80 kg/m²	
cold rolled (not degreased), cut-off max. 2970x1470 mm	0.0.428.29
cold rolled (not degreased), 1 pce. panel dimensions. max. 3000x1500 mm	0.0.457.12
black, cut-off max. 2970x1470 mm	0.0.428.30
black, 1 pce. panel dimensions. max. 3000x1500 mm	0.0.457.13

Sound-Insulating Material

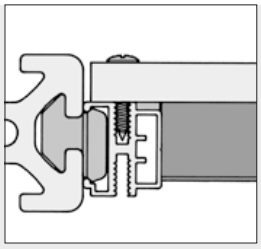
Create a peaceful environment in offices and production halls

- Absorbs noise in medium and high frequencies
- Suitable as a panel element in hoods and enclosures
- For functional partitions in open-plan offices

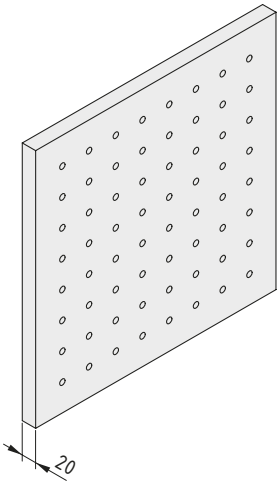
Sound-Insulating Material for reducing the effect of sound emission to the environment can be used for both complete encapsulation and individual partitions. It is self-adhesive on one side (rubber-based adhesive).



The sound-insulating effect depends on the excitation frequency.



The Sound-Insulating Material is glued to a panel element. The panel element should be fastened in the profile frame in such a way that as little vibration or sound is transmitted as possible.

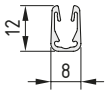


Sound-Insulating Material 20mm	
PUR-ester special foam Coated with PVC film perforated, easy to wash down, Sound absorption as per DIN 52215-63 Temperature resistance: -40°C to +100°C Thermal conductivity: 0.033 W/mK, DIN 52612 Fire characteristics: self-extinguishing to FMVSS 302, DIN 75200 Panel dimensions 480x480 mm m = 253.0 g	
anthracite, 1 pce.	0.0.440.75

Edge Profile S3 Al

- Attractive finish
- Covering for sharp cut edges

Edge Profile as edging for 3 mm thick panel elements whose cut edges require covering, e.g. Perforated Sheet Al etc.
The Edge Profile can be cut at a 90° angle or with a mitre cut.



Edge Profile S3 Al		
Al, anodized		
A [cm²]	m [g/m]	
0.33	89	
natural, 1 pce., length 2000 mm		0.0.457.45
black, 1 pce., length 2000 mm		0.0.440.56