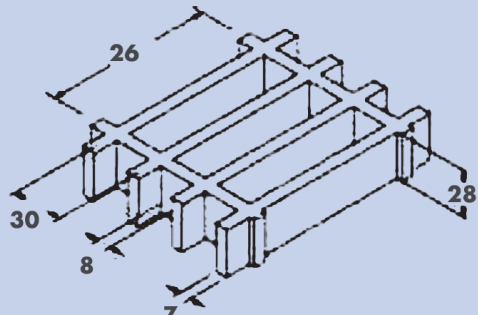
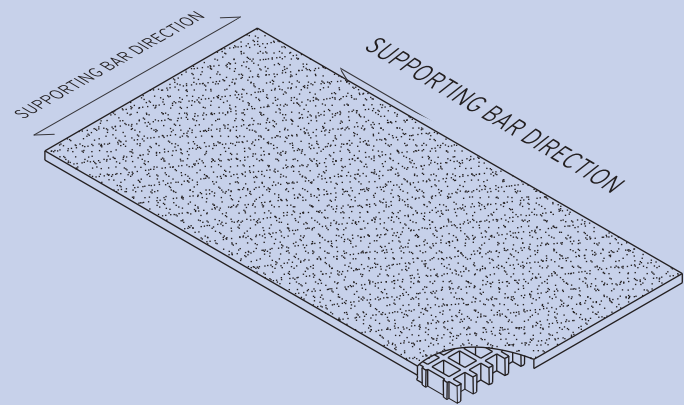


Mesh width	mm 100 x 30	
Inside diameter	mm 92 x 22	
Height	mm 28	
Bar thickness	mm 8 surface	
	mm 7 underside	
Colour	Opal green	

Raw material	isophthalic polyester resin
	Glass fibre Direct Roving + Panel Type "E"
	Halogen-free inorganic fillers

Resin	Elastic module	Breakdown tension
IFR	12250 MPa	310 MPa

Standard plates	
mm 1000 x <u>2000</u>	
mm 1200 x <u>3000</u>	
mm 1500 x <u>2000</u>	
Weight kg/m² 12	
Tolerance	± mm 5 plate dimension
	± mm 2 height



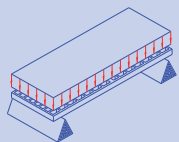
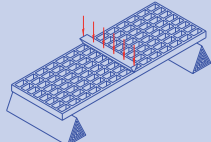
A 3D perspective illustration of a rectangular plate with a stippled texture. Two arrows point along the length of the plate, labeled "SUPPORTING BAR DIRECTION". At the bottom right corner, a detail view shows a grid of vertical bars connected by horizontal bars.

Surface	S	smooth	Slip-resistant grade R10 V10 standard DIN E51130
	M	concave "Meniscus"	Slip-resistant grade R13 V10 standard DIN E51130
	A	with quartz	Slip-resistant grade R13 V10 standard DIN E51130

Ageing resistance	Accelerated ageing test with UV-lamp in accordance with ASTM G154-06 passed with 5 points on the grey scale and without any obvious defects (1500 hours exposure with alternating cycles of 4 hours UV temperature 60°C and 4 hours condensation temperature 50°C, irradiated by UVB-lamps 313 nm, irradiation 0.71 W/m²).		
	After passing through the cycles heat, cold and moisture in accordance with the standard UNI EN ISO 9142/04 standard (21 cycles type D3) they do not show any remaining defects.		

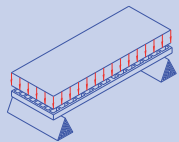
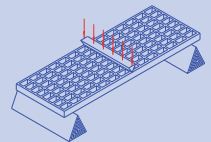
SUGGESTED MAXIMUM LOADS

Carrier	Linear at both ends of the plate
Limits depend on	Deflection (downward expansion under load)
the maximum permitted deflection is 1/100 of the difference between the carriers	
In accordance with the standard DIN 25437-3 the deflection of the floor covering under exposure to the agreed load must not exceed 1/200 of the span, whilst the height difference to the neighbouring joint must not exceed 4 mm.	

DISTRIBUTED LOAD			CONCENTRATED LOAD		
					
Distance between the carriers	Load with deflection = 1/200	Load with deflection = 1/100	Distance between the carriers	Load with deflection = 1/200	Load with deflection = 1/100
[cm]	[kg/m ²]		[cm]	[kg/m ²]	
50	1750	3500	50	500	1050
70	600	1250	70	250	550
90	300	600	90	150	300
110	150	300	110	100	200

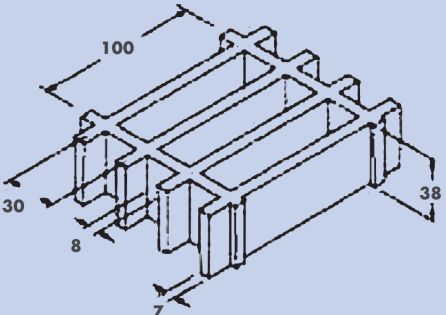
All lower loads are permissible.

Limits depend on the permissible tensions (depending on the load). The **maximum permissible tension** is 1/5 of the breakdown tension (safety number: 5 – the breaking load is 5 times the specified loading).

DISTRIBUTED LOAD		CONCENTRATED LOAD	
			
Distance between the carriers [cm]	maximum permissible load [kg/m ²]	Distance between the carriers [cm]	maximum permissible load [kg/m ²]
50	6400	50	1600
70	3250	70	1150
90	1950	90	850
110	1300	110	700

All lower loads are permissible.

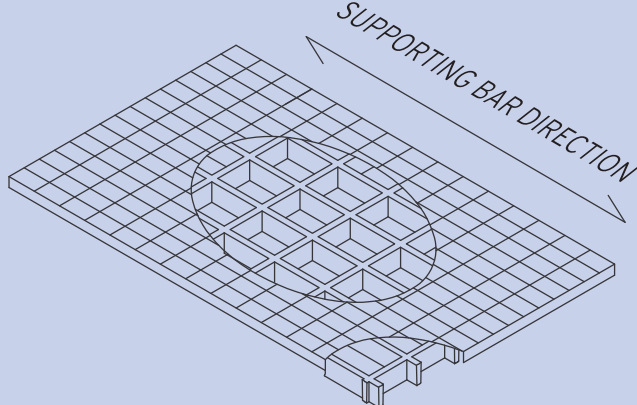
- The data provided in the table should be considered reference values for the standard materials at the surrounding temperature. Even though they are not to be considered guaranteed characteristics, they are based on our experience and are provided to the best of our knowledge.
- In conformity with standard DIN 25437-3 the following associated reduction factors must be considered: 0.75 for interior areas, 0.65 for outdoor areas and 0.50 for media exposure.
- Irrespective of environmental influences, the chemical stability must be checked by establishing contact with ProMetall's technical department.
- At higher loads the pressure resistance must be checked.

Mesh width	mm 100 x 30	
Inside diameter	mm 92 x 22	
Height	mm 38	
Bar thickness	mm 8 surface	
	mm 7 underside	
Colour	Opal green	

Raw material	Polyester resin
	Glass fibre Direct Roving + Panel Type "E"
	Halogen-free inorganic fillers

Resin	Elastic module	Breakdown tension
IFR	12250 MPa	310 MPa

Standard plates	
mm 1200 x <u>3000</u>	
Weight kg/m² 18	
Tolerance	± mm 5 plate dimension
	± mm 2 height



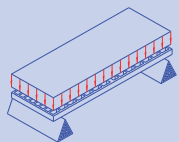
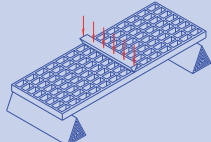
The image shows an isometric view of a rectangular grating plate. The plate has a grid of square openings. A double-headed arrow labeled "SUPPORTING BAR DIRECTION" points along the longer side of the plate. A circular inset highlights a section of the grid. At the bottom right corner, there is a detail of the plate's edge, showing a T-shaped profile with a central slot and two side flanges.

Surface	S	smooth	Slip-resistant grade R10 V10 standard DIN E51130
	M	concave "Meniscus"	Slip-resistant grade R13 V10 standard DIN E51130
	A	with quartz	Slip-resistant grade R13 V10 standard DIN E51130

Ageing resistance	Accelerated ageing test with UV-lamp in accordance with ASTM G154-06 passed with 5 points on the grey scale and without any obvious defects (1500 hours exposure with alternating cycles of 4 hours UV temperature 60°C and 4 hours condensation temperature 50°C, irradiated by UVB-lamps 313 nm, irradiation 0.71 W/m²).		
	After passing through the cycles heat, cold and moisture in accordance with the standard UNI EN ISO 9142/04 standard (21 cycles type D3) they do not show any remaining defects.		

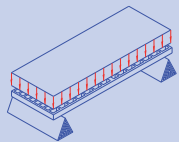
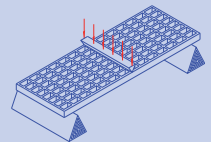
SUGGESTED MAXIMUM LOADS

Carrier	Linear at both ends of the plate
Limits depend on	Deflection (downward expansion under load)
the maximum permitted deflection is 1/100 of the difference between the carriers	
In accordance with the standard DIN 25437-3 the deflection of the floor covering under exposure to the agreed load must not exceed 1/200 of the span, whilst the height difference to the neighbouring joint must not exceed 4 mm.	

DISTRIBUTED LOAD			CONCENTRATED LOAD		
					
Distance between the carriers	Load with deflection = 1/200	Load with deflection = 1/100	Distance between the carriers	Load with deflection = 1/200	Load with deflection = 1/100
[cm]	[kg/m²]		[cm]	[kg/m²]	
50	4350	8750	50	1350	2700
70	1550	3150	70	650	1350
90	750	1500	90	400	800
110	400	800	110	250	550

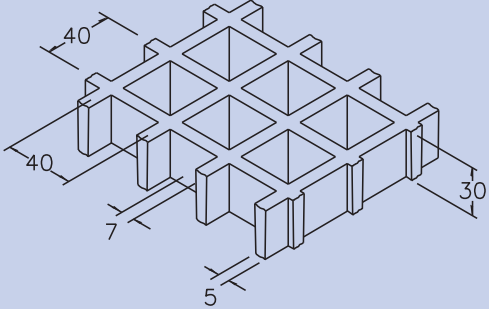
All lower loads are permissible.

Limits depend on the permissible tensions (depending on the load). The **maximum permissible tension** is 1/5 of the breakdown tension (safety number: 5 – the breaking load is 5 times the specified loading).

DISTRIBUTED LOAD		CONCENTRATED LOAD	
			
Distance between the carriers [cm]	maximum permissible load [kg/m²]	Distance between the carriers [cm]	maximum permissible load [kg/m²]
50	11850	50	2950
70	6050	70	2100
90	3650	90	1650
110	2450	110	1350

All lower loads are permissible.

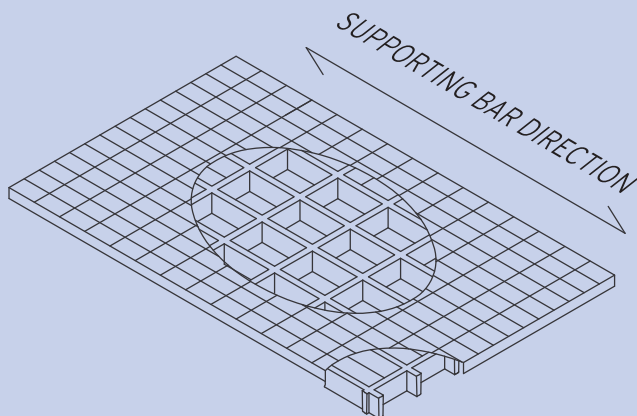
- The data provided in the table should be considered reference values for the standard materials at the surrounding temperature. Even though they are not to be considered guaranteed characteristics, they are based on our experience and are provided to the best of our knowledge.
- In conformity with standard DIN 25437-3 the following associated reduction factors must be considered: 0.75 for interior areas, 0.65 for outdoor areas and 0.50 for media exposure.
- Irrespective of environmental influences, the chemical stability must be checked by establishing contact with ProMetall's technical department.
- At higher loads the pressure resistance must be checked.

Mesh width	mm 40 x 40	
Inside diameter	mm 33 x 33	
Height	mm 30	
Bar thickness	mm 7 surface	
	mm 5 underside	
Colour	Opal green	

Raw material	Polyester resin
	Glass fibre Direct Roving + Panel Type "E"
	Halogen-free inorganic fillers

Resin	Elastic module	Breakdown tension
IFR	12250 MPa	310 MPa

Standard plates	
mm 1000 x 2000	
mm 1200 x 3000	
Weight kg/m² 12	
Tolerance	± mm 5 plate dimension
	± mm 2 height

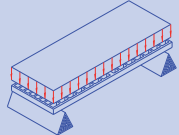
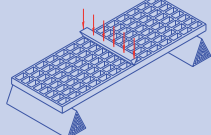


Surface	S	smooth	Slip-resistant grade R10 V10 standard DIN E51130
	M	concave "Meniscus"	Slip-resistant grade R13 V10 standard DIN E51130
	A	with quartz	Slip-resistant grade R13 V10 standard DIN E51130

Ageing resistance	Accelerated ageing test with UV-lamp in accordance with ASTM G154-06 passed with 5 points on the grey scale and without any obvious defects (1500 hours exposure with alternating cycles of 4 hours UV temperature 60°C and 4 hours condensation temperature 50°C, irradiated by UVB-lamps 313 nm, irradiation 0.71 W/m²).		
	After passing through the cycles heat, cold and moisture in accordance with the standard UNI EN ISO 9142/04 standard (21 cycles type D3) they do not show any remaining defects.		

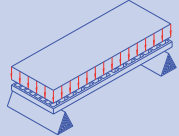
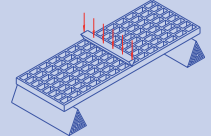
SUGGESTED MAXIMUM LOADS

Carrier	Linear at both ends of the plate
Limits depend on	Deflection (downward expansion under load)
the maximum permitted deflection is 1/100 of the difference between the carriers	
In accordance with the standard DIN 25437-3 the deflection of the floor covering under exposure to the agreed load must not exceed 1/200 of the span, whilst the height difference to the neighbouring joint must not exceed 4 mm.	

DISTRIBUTED LOAD			CONCENTRATED LOAD		
					
Distance between the carriers	Load with deflection = 1/200	Load with deflection = 1/100	Distance between the carriers	Load with deflection = 1/200	Load with deflection = 1/100
[cm]	[kg/m²]		[cm]	[kg/m²]	
50	1300	2600	50	400	800
70	450	950	70	200	400
90	200	400	90	100	250
110	100	200	110	50	150

All lower loads are permissible.

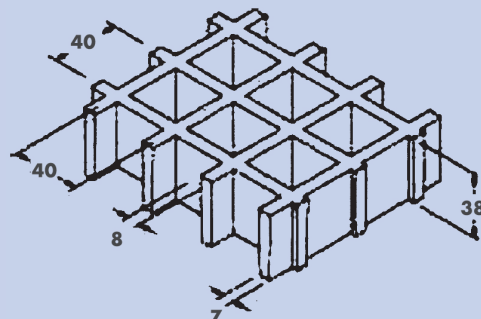
Limits depend on the permissible tensions (depending on the load). The **maximum permissible tension** is 1/5 of the breakdown tension (safety number: 5 – the breaking load is 5 times the specified loading).

DISTRIBUTED LOAD		CONCENTRATED LOAD	
			
Distance between the carriers [cm]	maximum permissible load [kg/m²]	Distance between the carriers [cm]	maximum permissible load [kg/m²]
50	4350	50	1050
70	2200	70	750
90	1300	90	600
110	900	110	450

All lower loads are permissible.

- The data provided in the table should be considered reference values for the standard materials at the surrounding temperature. Even though they are not to be considered guaranteed characteristics, they are based on our experience and are provided to the best of our knowledge.
- In conformity with standard DIN 25437-3 the following associated reduction factors must be considered: 0.75 for interior areas, 0.65 for outdoor areas and 0.50 for media exposure.
- Irrespective of environmental influences, the chemical stability must be checked by establishing contact with ProMetall's technical department.
- At higher loads the pressure resistance must be checked.

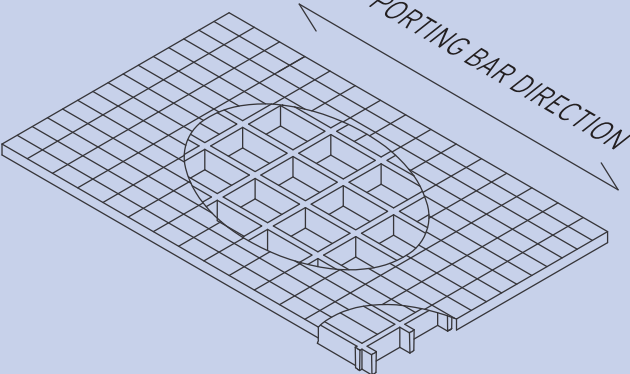
Mesh width	mm 40 x 40
Inside diameter	mm 32 x 32
Height	mm 38
Bar thickness	mm 8 surface
	mm 7 underside
Colour	Opal green



Raw material	Polyester resin
	Glass fibre Direct Roving + Panel Type "E"
	Halogen-free inorganic fillers

Resin	Elastic module	Breakdown tension
IFR	12250 MPa	310 MPa

Standard plates	
mm 1000 x 2000	
mm 1200 x 3000	
Weight kg/m ² 19	
Tolerance	± mm 5 plate dimension
	± mm 2 height



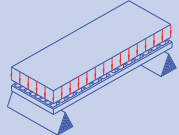
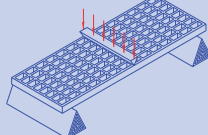
Surface	S	smooth	Slip-resistant grade R10 V10 standard DIN E51130
	M	concave "Meniscus"	Slip-resistant grade R13 V10 standard DIN E51130
	A	with quartz	Slip-resistant grade R13 V10 standard DIN E51130

Ageing resistance	Accelerated ageing test with UV-lamp in accordance with ASTM G154-06 passed with 5 points on the grey scale and without any obvious defects (1500 hours exposure with alternating cycles of 4 hours UV temperature 60°C and 4 hours condensation temperature 50°C, irradiated by UVB-lamps 313 nm, irradiation 0.71 W/m²).		
	After passing through the cycles heat, cold and moisture in accordance with the standard UNI EN ISO 9142/04 standard (21 cycles type D3) they do not show any remaining defects.		

* Upon request also available in other colours

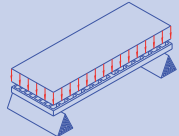
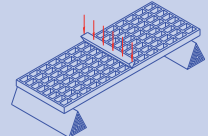
SUGGESTED MAXIMUM LOADS

Carrier	Linear at both ends of the plate
Limits depend on	Deflection (downward expansion under load)
the maximum permitted deflection is 1/100 of the difference between the carriers	
In accordance with the standard DIN 25437-3 the deflection of the floor covering under exposure to the agreed load must not exceed 1/200 of the span, whilst the height difference to the neighbouring joint must not exceed 4 mm.	

DISTRIBUTED LOAD			CONCENTRATED LOAD		
					
Distance between the carriers	Load with deflection = 1/200	Load with deflection = 1/100	Distance between the carriers	Load with deflection = 1/200	Load with deflection = 1/100
[cm]	[kg/m²]		[cm]	[kg/m²]	
50	3300	6650	50	1000	2050
70	1200	2400	70	500	1050
90	550	1100	90	300	600
110	300	600	110	200	400

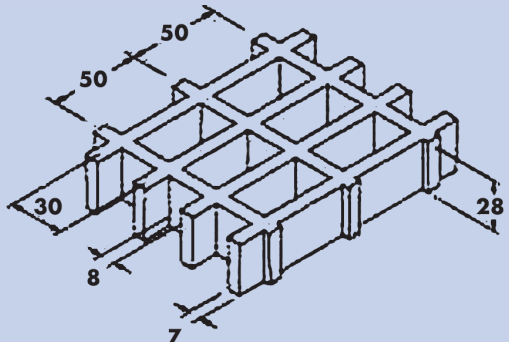
All lower loads are permissible.

Limits depend on the permissible tensions (depending on the load). The **maximum permissible tension** is 1/5 of the breakdown tension (safety number: 5 – the breaking load is 5 times the specified loading).

DISTRIBUTED LOAD		CONCENTRATED LOAD	
			
Distance between the carriers [cm]	maximum permissible load [kg/m²]	Distance between the carriers [cm]	maximum permissible load [kg/m²]
50	9050	50	2250
70	4600	70	1600
90	2800	90	1250
110	1850	110	1000

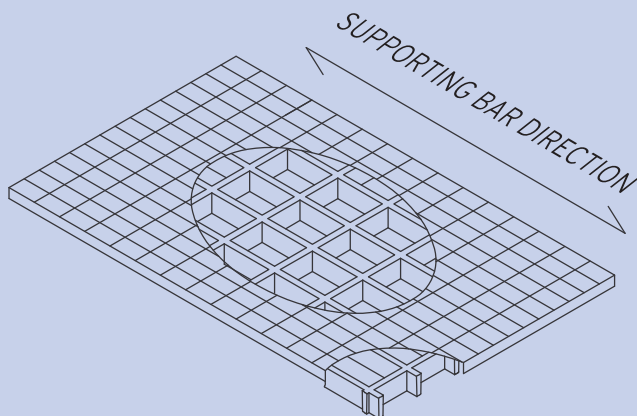
All lower loads are permissible.

- The data provided in the table should be considered reference values for the standard materials at the surrounding temperature. Even though they are not to be considered guaranteed characteristics, they are based on our experience and are provided to the best of our knowledge.
- In conformity with standard DIN 25437-3 the following associated reduction factors must be considered: 0.75 for interior areas, 0.65 for outdoor areas and 0.50 for media exposure.
- Irrespective of environmental influences, the chemical stability must be checked by establishing contact with ProMetall's technical department.
- At higher loads the pressure resistance must be checked.

Mesh width	mm 50 x 30	
Inside diameter	mm 42 x 22	
Height	mm 28	
Bar thickness	mm 8 surface	
	mm 7 underside	
Colour	Opal green	

Raw material	Polyester resin
	Glass fibre Direct Roving + Panel Type "E"
	Halogen-free inorganic fillers

Resin	Elastic module	Breakdown tension
IFR	12250 MPa	310 MPa

Standard plates		
mm 1000 x <u>2000</u>		
Weight kg/m² 15		
Tolerance	± mm 5 plate dimension	
	± mm 2 height	

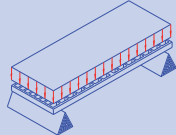
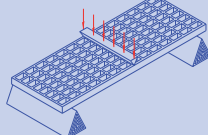
Surface	S	smooth	Slip-resistant grade R10 V10 standard DIN E51130
	M	concave "Meniscus"	Slip-resistant grade R13 V10 standard DIN E51130
	A	with quartz	Slip-resistant grade R13 V10 standard DIN E51130

Ageing resistance	Accelerated ageing test with UV-lamp in accordance with ASTM G154-06 passed with 5 points on the grey scale and without any obvious defects (1500 hours exposure with alternating cycles of 4 hours UV temperature 60°C and 4 hours condensation temperature 50°C, irradiated by UVB-lamps 313 nm, irradiation 0.71 W/m²).		
	After passing through the cycles heat, cold and moisture in accordance with the standard UNI EN ISO 9142/04 standard (21 cycles type D3) they do not show any remaining defects.		

* Upon request also available in other colours

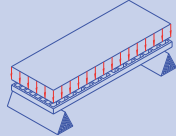
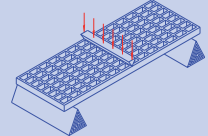
SUGGESTED MAXIMUM LOADS

Carrier	Linear at both ends of the plate
Limits depend on	Deflection (downward expansion under load)
the maximum permitted deflection is 1/100 of the difference between the carriers	
In accordance with the standard DIN 25437-3 the deflection of the floor covering under exposure to the agreed load must not exceed 1/200 of the span, whilst the height difference to the neighbouring joint must not exceed 4 mm.	

DISTRIBUTED LOAD			CONCENTRATED LOAD		
					
Distance between the carriers	Load with deflection = 1/200	Load with deflection = 1/100	Distance between the carriers	Load with deflection = 1/200	Load with deflection = 1/100
[cm]	[kg/m²]		[cm]	[kg/m²]	
50	1750	3500	50	500	1050
70	600	1250	70	250	550
90	300	600	90	150	300
110	150	300	110	100	200

All lower loads are permissible.

Limits depend on the permissible tensions (depending on the load). The **maximum permissible tension** is 1/5 of the breakdown tension (safety number: 5 – the breaking load is 5 times the specified loading).

DISTRIBUTED LOAD		CONCENTRATED LOAD	
			
Distance between the carriers [cm]	maximum permissible load [kg/m²]	Distance between the carriers [cm]	maximum permissible load [kg/m²]
50	6400	50	1600
70	3250	70	1150
90	1950	90	850
110	1300	110	700

All lower loads are permissible.

- The data provided in the table should be considered reference values for the standard materials at the surrounding temperature. Even though they are not to be considered guaranteed characteristics, they are based on our experience and are provided to the best of our knowledge.
- In conformity with standard DIN 25437-3 the following associated reduction factors must be considered: 0.75 for interior areas, 0.65 for outdoor areas and 0.50 for media exposure.
- Irrespective of environmental influences, the chemical stability must be checked by establishing contact with ProMetall's technical department.
- At higher loads the pressure resistance must be checked.