

> **Fiberglass flooring with several resin systems**

All resin types can be modified acc. special requirements like corrosion resistance, temperature and fire performance.

Orthophthalic Polyester resin(OPR) - Budget resin for light-corrosive applications

- resin type: orthophthalic polyester
- hardly flammable, halogenic free (non-toxic)
- self-extinguishing properties
- HDT (A): 80 °C
- dimensional stability (Martens): 160°C

Isophthalic Polyester resin (IPR)- Standard resin for several applications/universal use

- resin type: isophthalic polyester
- hardly flammable, halogenic free (non-toxic)
- self-extinguishing properties
- HDT (A): 120 °C
- dimensional stability (Martens): 160°C

Vinyl Ester resin (VER) - For extreme chemical resistance

- resin type: vinyl ester
- hardly flammable, halogenic free (non-toxic)
- self-extinguishing properties
- HDT (A): 120 °C
- dimensional stability (Martens): 180°C

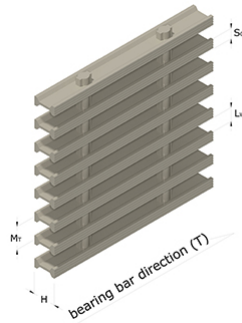
Vinyl ester resin is recommended if higher temperature impact and chemical resistance with long service life is needed. Vinyl ester resin is hence suitable for quality gratings with high durability used under harsh conditions.

Phenolic resin (PHR) - For maximum fire safety

- resin type: phenolic resin
- hardly flammable
- self-extinguishing properties
- HDT (A): 160 °C
- dimensional stability (Martens): 180°C

Phenolic resin primarily has high temperature and fire resistance, a small smoke emission and low combustion gas toxicity. The flame spread is extremely low.

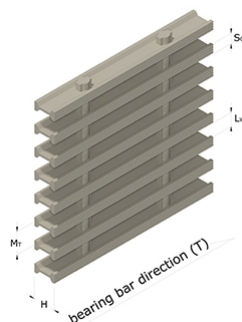
> **I-bar type distance 10 mm**



| HEIGHT H [MM] | BAR THICKNESS TOP (SO) [MM] | MESHSPACING (MT) [MM] | DISTANCE (LW)[MM] | OPEN AREA [%] | WEIGHT[KG/M ²] | MAX. PANEL SIZE [MM] |
|---------------|-----------------------------|-----------------------|-------------------|---------------|----------------------------|----------------------|
| 25 | 15 | 25 x 152 | 10 | 40 | 16 | 6100 (T*) x 1220 |
| 30 | | | | | 20,1 | |
| 38 | | | | | 26,5 | |

*T = bearing bar direction

> **I-bar type distance 15 mm**

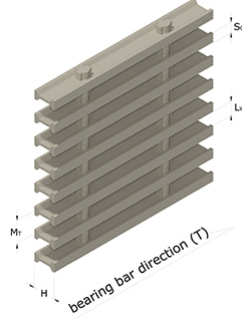


| HEIGHT H [MM] | BAR THICKNESS TOP (SO) [MM] | MESHSPACING (MT) [MM] | DISTANCE (LW)[MM] | OPEN AREA [%] | WEIGHT[KG/M ²] | MAX. PANEL SIZE [MM] |
|---------------|-----------------------------|-----------------------|-------------------|---------------|----------------------------|----------------------|
| | | | | | | |

| HEIGHT H [MM] | BAR THICKNESS TOP (SO) [MM] | MESHSPACING (MT) [MM] | DISTANCE (LW)[MM] | OPEN AREA [%] | WEIGHT[KG/M ²] | MAX. PANEL SIZE [MM] |
|---------------|-----------------------------|-----------------------|-------------------|---------------|----------------------------|----------------------|
| 25 | 15 | 30 x 152 | 15 | 50 | 13,4 | 6100 (T*) x 1220 |
| 30 | | | | | 17 | |
| 38 | | | | | 22,3 | |

*T = bearing bar direction

> I-bar type distance 23 mm



| HEIGHT H [MM] | BAR THICKNESS TOP (SO) [MM] | MESHSPACING (MT) [MM] | DISTANCE (LW)[MM] | OPEN AREA [%] | WEIGHT[KG/M ²] | MAX. PANEL SIZE [MM] |
|---------------|-----------------------------|-----------------------|-------------------|---------------|----------------------------|----------------------|
| 25 | 15 | 38 x 152 | 23 | 60 | 10,8 | 6100 (T*) x 1220 |
| 30 | | | | | 14,1 | |
| 38 | | | | | 18,1 | |

*T = bearing bar direction