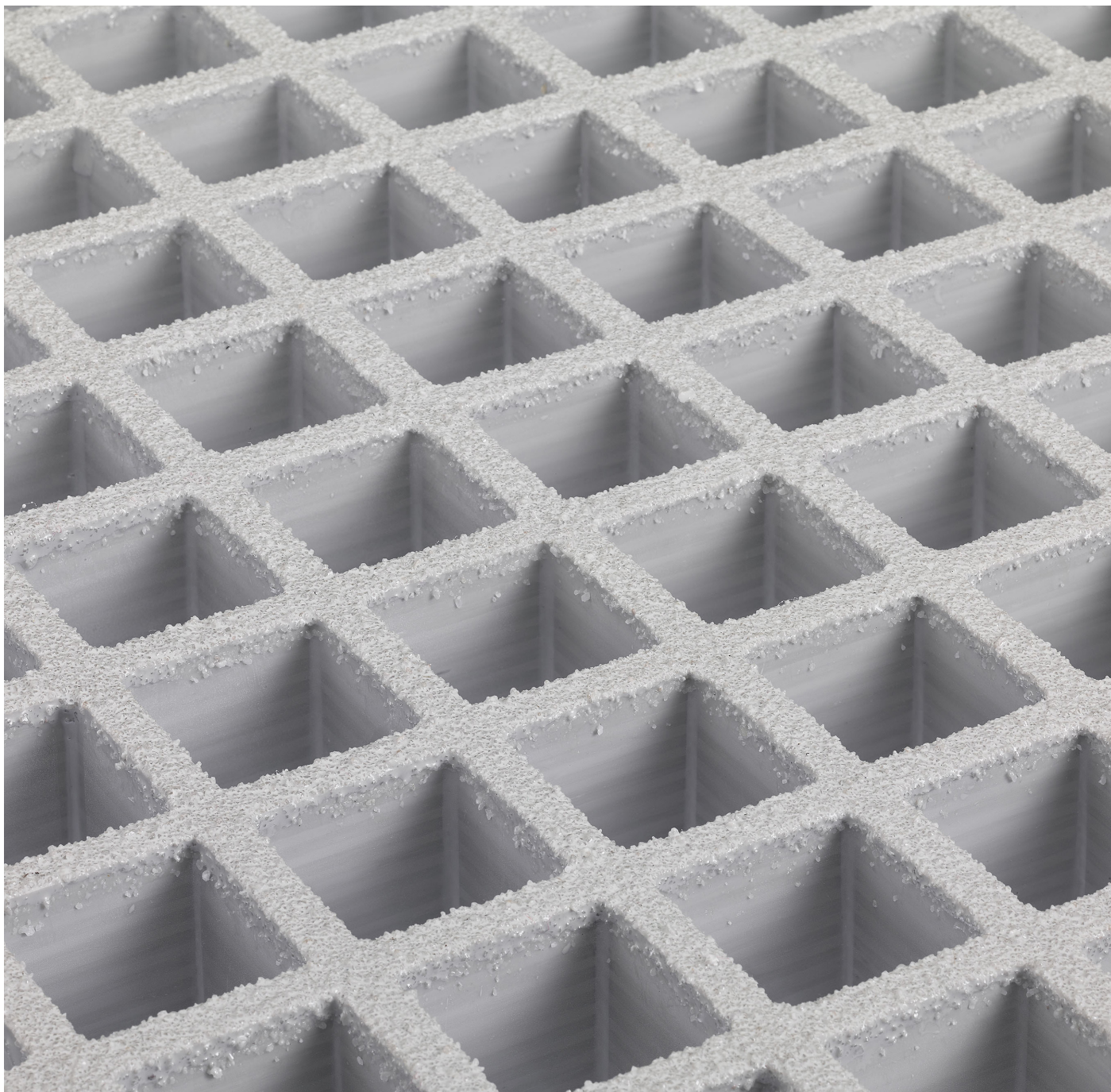




GRP Grating - 38 mm sanded

**FLEXI-GRP-BK538-38-5**



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## Properties

|                           |                                                                      |
|---------------------------|----------------------------------------------------------------------|
| Matrix .....              | Orthophtalic, isophtalic eller vinylester (several standard colours) |
| Reinforcement .....       | E-Glass                                                              |
| Colour .....              | grey, near RAL 7035 (other colours possible on demand)               |
| Height .....              | 38 mm                                                                |
| Surface .....             | polished and gritted                                                 |
| Width of bars .....       | 5,00 – 6,90 mm                                                       |
| Pitch (C/C) .....         | 38,10 x 38,10 mm                                                     |
| Meshwidth .....           | 31,20 x 31,20 mm                                                     |
| Standard panel size ..... | 1227 x 3665 mm<br>1531 x 3970 mm                                     |

## Tolerances:

|                      |              |
|----------------------|--------------|
| Length / width ..... | + 0 / - 4 mm |
| Height .....         | + 1 / - 1 mm |

## Fixing possibilities:

|                    |           |
|--------------------|-----------|
| Clamp fixing ..... | B138T / K |
| Direct .....       | B638T / K |

We supply all fixings for GRP gratings in galvanized steel, stainless steel AISI304 and stainless steel AISI316

## Mechanical properties

|                                      |                                       |
|--------------------------------------|---------------------------------------|
| Weight .....                         | 19,32 kg/m <sup>2</sup>               |
| Matrix content .....                 | ca. 68 %                              |
| Glassfiber content .....             | ca. 32 % (DIN 1172)                   |
| Density .....                        | 1,8 kg/dm <sup>3</sup>                |
| Serration class .....                | R13 V10 (DIN 51130 og ASR A1 1.5/1,2) |
| E-Modulus .....                      | 14.500 MPa (DIN EN ISO 178)           |
| Max. bending stress .....            | 216 MPa                               |
| Area moment of inertia / 1 bar ..... | 26976,17 mm <sup>4</sup>              |
| Section modulus / 1 bar .....        | 1348,05 mm <sup>3</sup>               |

## Thermal properties

|                                    |                         |
|------------------------------------|-------------------------|
| Max. application temperature ..... | - 30°C / + 70°C         |
| Flammability .....                 | Bfl-s1 (DIN EN 13501-1) |
| Flammability regarding UL94 .....  | V-0 (DIN IEC EN 60695)  |

## Electric properties

|                     |                             |
|---------------------|-----------------------------|
| Leak resistor ..... | electrically non-conducting |
|---------------------|-----------------------------|