Grating covers type GfK

made of glass fibre-reinforced plastic (GFRP)

Glass fibre-reinforced plastic (GFRP) is a very high-quality glass fibre/plastic composite for mechanically highly stressed applications. The advantage of this material is the high strain at break and the elastic energy absorption. It is therefore excellently suited to use as a material for grating covers for drainage troughs in multi-storey car parks. Glass fibre-reinforced plastic has excellent corrosion resistance even in aggressive surroundings. Besides the standard colour grey, in the case of larger running metre quantities special colours are possible according to specifications. Hence the possibility is provided for using the trough and the cover also as a design element.

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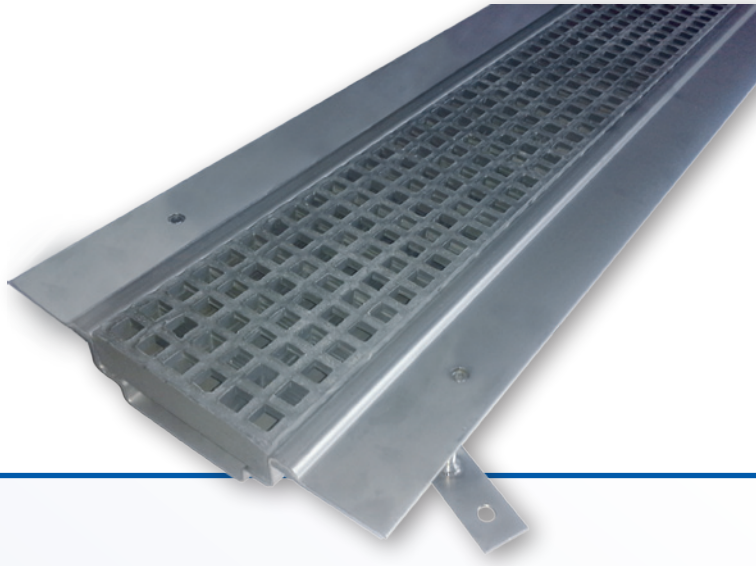
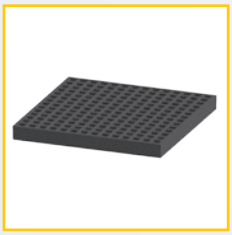


System features

Loading: Can be driven over with a truck

Material: Glass-fibre reinforced plastic

Mesh widths:

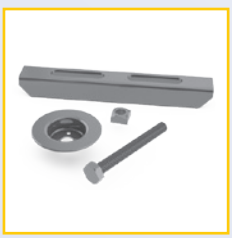


MW 13/13

MW 31/31

Length of the segments: 1,000 mm fitting pieces, Special lengths as well as corner formations and T-pieces are possible.

Grating screw connection:

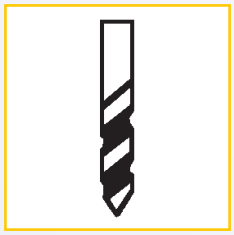


Standard 2-fold per metre
4-fold screw connections also possible

Colours: Standard grey (RAL 7042), further colours possible on request.

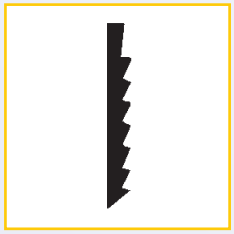
Machining possibilities: The machining of GFRP covers by sawing or drilling is very easy. Hence as required changes can be made to the covers also on the building site. Length adjustments, cut-outs in the grating and even mitre cuts can easily be carried out.

Drilling:



In the case of drill holes of a diameter of up to 12 mm a hard metal drill bit according to DIN 8037 or DIN 8038 should be used (drill speed 60-80 m/min.). In the case of drill holes with a diameter of more than 12 mm it is recommended that a diamond-studded drill bit should be used (drill speed 300 – 1200 m/min.). Fraying at the drilling exit can be reduced by using a wooden support.

Sawing:



For relatively small quantities a metal saw is sufficient, with larger quantities it is recommended that a diamond-studded saw blade be used. (diameter depending on wall thickness 200 -500 mm). For sawing the use of a cooling agent is advisable in order to dispose of the dust accumulating. For dry processing suction extraction is recommended.