

GRP CATCH PIT LIDS



EZI KLAMP
HANDRAIL AND BARRIER SOLUTIONS



Product Overview

GRP Catch Pit Lids have many benefits over traditional steel covers, made from high quality GRP (glass reinforced plastic) they are lightweight and easy to install. The non-conductive properties of GRP means these lids are the perfect solution near electrified railway lines.

Produced by weaving continuous glass fibres vertically & horizontally into a mould, creating an integral, one-piece panel which offers excellent corrosion resistance as well as bidirectional strength.

Our GRP Catch pit lids are stocked in Sky Blue - RAL 5015.

Advantages

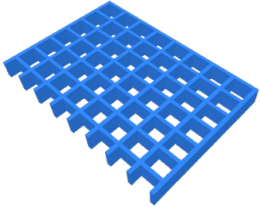
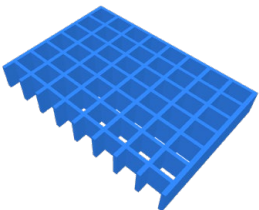
- Corrosion & Chemical Resistant
- Lightweight
- Fire Retardant
- Non-Conductive
- Non-Magnetic
- High Strength-To-Weight Ratio



More Technical Data Below

Place your order by calling us on **0117 970 2420** or email our team at **sales@eziklampsystems.com**. Don't forget to visit **eziklampsystems.com** to view our full range of handrail and barrier solutions.

Grating Types & Specification

25MM THICKNESS			38MM THICKNESS		
Name	GRT25BE		Name	GRT38BE	
Grid Size	38x38 SM		Grid Size	38x38 SM	
Panel Depth	25mm		Panel Depth	38mm	
Load Bar Thickness	6.4		Load Bar Thickness	7	
Load Bar Centres	38		Load Bar Centres	38	
No. Bars per foot	8		No. Bars per foot	8	
Open Area	70%		Open Area	68%	
Approx. Weight	12kg's/sq.m		Approx. Weight	19.5kg's/sq.m	
Panel Sizes (mm) Part No.	1270 x 735 1035 x 575 2000 x 1000		GRT-1.2x0.7x0.25mBE GRT-1x0.5x0.25mBE GRT-2x1x0.25mBE	1270 x 735 1035 x 575 2000 x 1000	

Technical Data

Chemical resistance:	Made from Iso resin as standard. Different chemical resistance available.
Tolerances (including cut):	+/- 7mm width, length and diagonal
Depth tolerances:	+/- 1.5mm
Service temperatures:	-50 to 105°C
Load capabilities:	See table below
Design life:	25+ years (subject to traffic analysis)
General use:	Standard pedestrian traffic
Standards: Fire:	Tested to BS 476: Part 7: 1997 Class 2

Load Table

Moulded Grating Uniform Load Tables - Deflection in Millimetres										
Clear Span	Style			Load (kN/m ²)						
	Name	Depth	Mesh	3.0	5.0	8.0	10.0	13.0	15.0	20.0
600mm	GRT25BE	25mm	38mm X 38mm	1.8	3.0	4.8	6.0	7.8	9.0	12.0
	GRT38BE	38mm	38mm X 38mm	0.6	1.0	1.6	2.0	2.6	3.0	3.9
800mm	GRT25BE	25mm	38mm X 38mm	5.7	9.5	15.1	-	-	-	-
	GRT38BE	38mm	38mm X 38mm	1.8	3.0	4.7	5.9	7.7	8.9	11.8
1000mm	GRT25BE	25mm	38mm X 38mm	13.9	-	-	-	-	-	-
	GRT38BE	38mm	38mm X 38mm	4.3	7.1	11.4	14.3	-	-	-

(1 kilonewton is equal to 101.97 kilograms)

NOTES:

1. All gratings were tested in accordance with BS4592-0:2006. For pedestrian traffic, the deflection of a floor panel under the design load shall not exceed 10mm or 1/200th of the span, whichever is the lesser. The difference in level between a loaded and a neighbouring unloaded flooring shall not exceed 4mm.