



Innovative FRP Solutions



EKAGRAH
INDUSTRIES PRIVATE LIMITED

“Do More With Less...”

www.ekagrah.in

FIBERGLASS (FRP) GRATING

We manufacture a well-designed and durable FRP Grating Systems for various industries. FRP Grating (also known as Fiberglass Reinforced Plastic Grating or Fiberglass Grating) is a composite material manufactured by combining a matrix of resin and fiberglass. It does not corrode like steel grating and is therefore used to reduce maintenance costs and increase esthetics.

Application of FRP Gratings

- Trench/Drain Cover
- Platform for ODU
- Building Elevation
- Swimming Pool Area
- Garden Ramps
- Walkways/Walk Paths
- Fencing
- Basement Parking Area

Features of FRP Gratings

- Corrosion Free
- Chemical Resistance
- Maintenance Free
- Fire Retardant
- UV Resistance
- Non Conductive
- Long Life
- Lightweight
- No Color Fading

FREQUENTLY USED FRP GRATING SIZES

Model No	Height (mm)	Mesh (c/c)	Rib Thickness	Out to Out Grating Sizes
AMSM 30 (40X40) OR AMSM 30 (38X38)	30	40x40 mm OR 38x38 mm	7 mm (Top) to 5 mm (Bottom)	310 mm (W) x 1220 mm (L) 327 mm (W) x 1007 mm (L) 345 mm (W) x 1220 mm (L) 367 mm (W) x 1007 mm (L) 385 mm (W) x 1220 mm (L) 407 mm (W) x 1007 mm (L) 460 mm (W) x 1220 mm (L) 487 mm (W) x 1007 mm (L)
AMSM 38 (40X40) OR AMSM 38 (38X38)	38	40x40 mm OR 38x38 mm	7 mm (Top) to 5 mm (Bottom)	310 mm (W) x 1220 mm (L) 327 mm (W) x 1007 mm (L) 345 mm (W) x 1220 mm (L) 367 mm (W) x 1007 mm (L) 385 mm (W) x 1220 mm (L) 407 mm (W) x 1007 mm (L) 460 mm (W) x 1220 mm (L) 487 mm (W) x 1007 mm (L)
AMMM 38 (19X19)	38	19x19 mm	7 mm (Top) to 5 mm (Bottom)	310 mm (W) x 1220 mm (L) 350 mm (W) x 1220 mm (L) 385 mm (W) x 1220 mm (L) 460 mm (W) x 1220 mm (L) 500 mm (W) x 1220 mm (L)
AMSM 45 (30X30)	45	30x30 mm	7 mm (Top) to 9 mm (Bottom)	307 mm (W) x 1027 mm (L) 337 mm (W) x 1027 mm (L) 367 mm (W) x 1027 mm (L) 397 mm (W) x 1027 mm (L) 487 mm (W) x 1027 mm (L)

Note: Suitable Grating Sizes can be selected depending upon expected load & clear span of drain. Please contact our sales team for more details.



FRP MANHOLE COVERS & FRAMES

FRP (Fiber Reinforced Plastic) is newly developed material for manhole covers. Before introduction of FRP, manhole covers were traditionally manufactured from concrete, steel reinforced concrete, cast iron, ductile iron materials, but these materials had their drawbacks like low load carrying capacity. FRP has emerged as the best alternate material for manhole covers due to its longer lifespan, capacity to withstand high load and easy installation.

Our high quality FRP Manhole covers & Frames are available in all standard sizes with load bearing capacities from 1.5 Ton to 40 Ton. Which are available in circular, square and rectangular shapes.

Applications

- Underground Sewerage and Storm Water Drainage Projects developed by Housing sector, Govt. and semi Govt. Depts., Municipal Corporations.
- Trench Covers in various applications
- Housing Industry, Malls, Multiplexes
- City Roads and Footpaths
- Telecommunications
- Highways and Ports
- Railways
- Defense
- Airports
- Water, Gas and Petroleum installations
- Beautification of Landscapes

Advantages

- Waterproof, Weatherproof, Non corrosive, Theft proof
- High Strength : Weight Ratio
- Light Weight - Ease of handling
- Temperature Resistance from - 40 degrees to +80 Degrees
- Durable - Life span of 30 + years
- Decorative surface designs and color variations available
- Designs conforming to IS : 1726 – 1991 & BSEN – 124

Load Capacity & Uses (As per IS-1726 & BSEN-124)

Light Duty Covers & Frames (LD 2.5/A15) :

Used at pedestrian ways, cycle tracks, footways, car parking, residential complexes, institutions and places where light vehicular traffic is observed.

Medium Duty Covers & Frames (MD 10/B125) :

Used at roads, service lanes and places where medium vehicular traffic is observed.

Heavy Duty Covers & Frames (HD 20/C250) :

Used at roads, commercial areas, bus terminals and places where heavy vehicular traffic is observed.

Extra Heavy Duty Manhole Covers & Frames (EHD 35/D400) :

Used at commercial areas, industrial areas, warehouses and places where heavy vehicular traffic is observed with heavy trucks and trailers.



FRP MANHOLE COVERS & FRAMES

FRP Manhole Cover with Frames

FRP Manhole Cover with Frames are suitable for pedestrian movement, car parking, city roads, industrial areas, warehouses where light to heavy vehicular traffic is observed. These covers & frames are available from 2.5T to 40T capacity in below given standard size and shapes.

Sizes Available

MANHOLE COVERS & FRAMES	
SHAPE	CLEAR OPENING
CIRCULAR	900 MM DIA
CIRCULAR	750 MM DIA
CIRCULAR	600 MM DIA
CIRCULAR	560 MM DIA
CIRCULAR	450 MM DIA
RECTANGULAR	225 x 300 MM
SQUARE	300 x 300 MM
SQUARE	450 x 450 MM
RECTANGULAR	600 x 450 MM
SQUARE	600 x 600 MM
RECTANGULAR	600 x 750 MM
SQUARE	750 x 750 MM
RECTANGULAR	900 x 450 MM
RECTANGULAR	900 x 600 MM
RECTANGULAR	900 x 750 MM
SQUARE	900 x 900 MM
SQUARE	1000 x 1000 MM
RECTANGULAR	600 x 1200 MM
RECTANGULAR	900 x 1200 MM
SQUARE	1200 x 1200 MM

FRP Storm Water Grating Covers with Frames

FRP Storm Water Grating Covers with Frames are suitable for Footways, residential areas, swimming pool and car parking areas. These covers & frames are available from 2.5T to 40T capacity in below given standard size and shapes.

Sizes Available

STORM WATER GRATING COVERS & FRAMES	
SHAPE	CLEAR OPENING
RECTANGULAR	225 x 300 MM
SQUARE	300 x 300 MM
SQUARE	450 x 450 MM
RECTANGULAR	600 x 450 MM
RECTANGULAR	600 x 500 MM
SQUARE	600 x 600 MM
SQUARE	750 x 750 MM
RECTANGULAR	900 x 450 MM
RECTANGULAR	900 x 600 MM
SQUARE	900 x 900 MM
SQUARE	1000 x 1000 MM
RECTANGULAR	1200 x 600 MM
RECTANGULAR	900 x 1200 MM
SQUARE	1200 x 1200 MM



FRP MANHOLE COVERS & FRAMES

FRP Water Tight Tank Covers With Frames

FRP Water Tight Tank Covers with Frames are used for light to heavy duty Water Tight/Tank/Manhole Covers applications. These Covers are provided with Single Rubber Seal, Nut Bolt and Fasteners to avoid water ingress. These covers & frames are available from 2.5T to 40T capacity in below given standard size and shapes.

Sizes Available

WATER TIGHT TANK COVERS & FRAMES	
SHAPE	CLEAR OPENING
CIRCULAR	600 MM DIA
SQUARE	300 X 300 MM
SQUARE	450 X 450 MM
RECTANGULAR	600 X 450 MM
SQUARE	600 X 600 MM
RECTANGULAR	900 X 450 MM
RECTANGULAR	900 X 600 MM
SQUARE	900 X 900 MM
SQUARE	1000 x 1000 MM
SQUARE	1200 X 1200 MM

FRP Recessed Manhole Covers With Frames

FRP Recessed Manhole Covers with Frames are designed to provide an effective solution for covering manholes and other underground openings. These covers & frames are available from 2.5T to 40T capacity in below given standard size and shapes.

Sizes Available

RECESSED MANHOLE COVERS & FRAMES	
SHAPE	CLEAR OPENING
CIRCULAR	600 MM DIA
SQUARE	300 X 300 MM
SQUARE	450 X 450 MM
RECTANGULAR	600 X 450 MM
SQUARE	600 X 600 MM
RECTANGULAR	900 X 450 MM
RECTANGULAR	900 X 600 MM
SQUARE	900 X 900 MM



FRP Overhead Tank Covers With Frame

Tank covers manufactured in FRP can offer an excellent long term and durable solution to the traditional steel system. Being superior to conventional material in terms of overall life and light weight properties, our FRP Tank Covers are gaining very good response from users. These tank covers are constructed with high-strength FRP components, corrosion resistant and designed for quick installation by local contractors.

Features

- Designed for Overhead
- Light Weight
- Maintenance Free
- High Structural Strength
- Locking arrangements available
- Available in Square and Circular shapes



FRP YELLOW FLOOR MARKERS

Nothing beats EKAGRAH FRP (Fiberglass Reinforced Polymer) Safety Markers for fast installation, easy maintenance and maximum strength for line marking that holds up under the heaviest industrial traffic.

In the past, it was traditionally normal procedure to mark lines and boundaries on warehouse and manufacturing floors with floor paints. These days, FRP floor markers are used as the most convenient and inexpensive option to mark aisles, since painted lines tend to chip, peel, and crack, and need replacement-especially

We know safety markings in industrial, commercial and retail areas are absolutely essential. It is vital to create safe pedestrian walkways and to clearly define hazardous areas, such as forklift routes, heavy machinery sections or work zones in order to comply with current health and safety regulations.

FRP Floor Markers offers a revolutionary solution for all in-plant and outdoor line marking. It provides a virtually permanent high visibility which replaces painted lines in the areas where paints easily wear or just fades away

Advantages

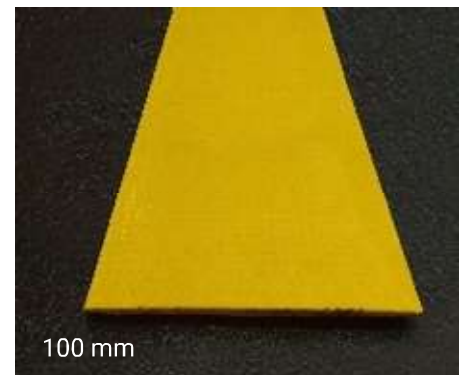
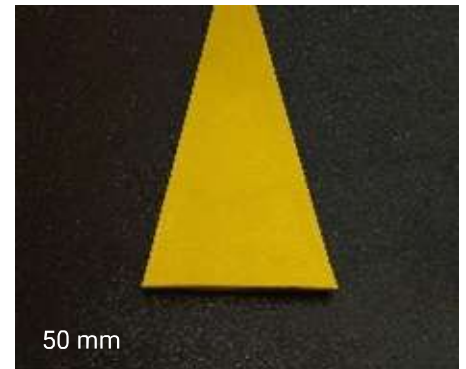
Corrosion Free | Chemical Resistance | UV Resistance | Excellent Strength
Durable | Re-usable | Low Maintenance | Waterproof | No painting

Features

- Provides a safer work environment with a wide range of workplace applications.
- Long lasting and permanent high visibility line marking for heavy wear, high traffic areas.
- Easy to install and fix with one-time installation meaning less work area disruption
- Easy to walk over with non-slip surface and safety tapered edges to eliminate trip hazard.
- Raised profile with tapered edge provides tactile feel alert for trolleys and forklifts.
- A one-time cost for a lifetime of use, which eliminates the need for costly repainting.

Size & Color

Available generally in yellow color with 50mm (W) x 3.5mm (T) and 100mm (W) x 3.5mm (T) size with predrilled holes for easy screw and anchor dowel fixing. It is supplied in standard length of 3 meters fastening screws.



OTHER FRP PRODUCTS



Transformer Fencing



Ventilation Duct



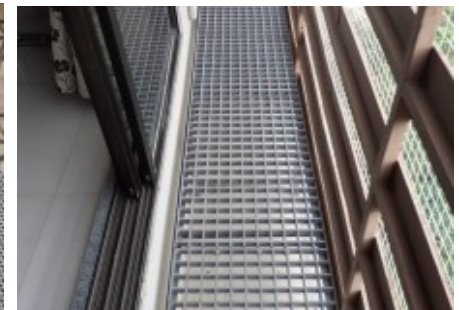
Building Elevation



Office Partitions



Percolation Well Covers



Standing Balcony Platform



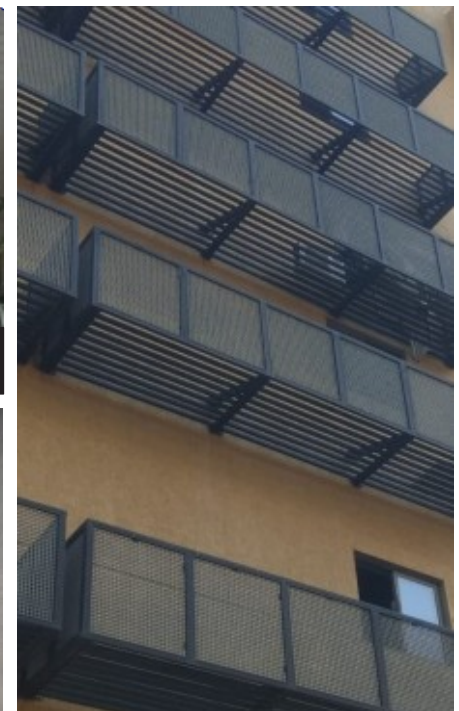
Building Partitions



Flower Pot Stand



Plumbing Duct Platform



Elevation Railing

Let's Connect With US!



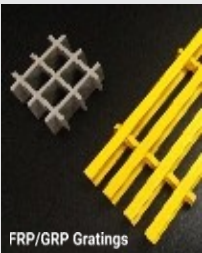
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OUR PRODUCT RANGE



FRP/GRP Gratings



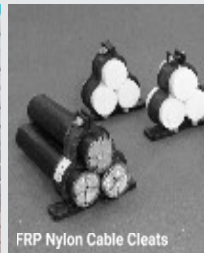
Electro Forge Gratings



FRP/GRP Cable Trays



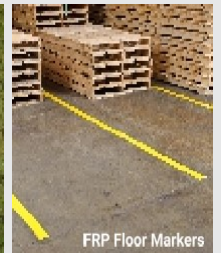
Galvanized Cable Trays



FRP Nylon Cable Cleats



FRP Manhole Cover



FRP Floor Markers