



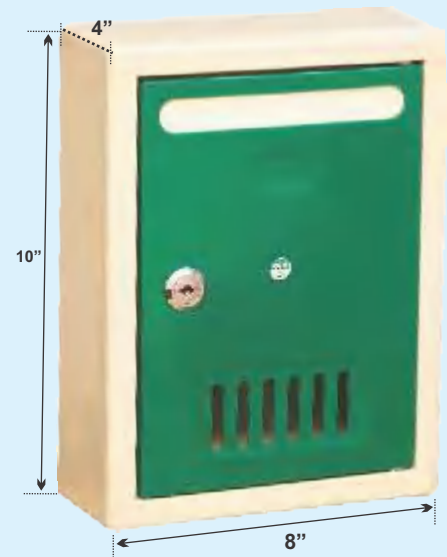
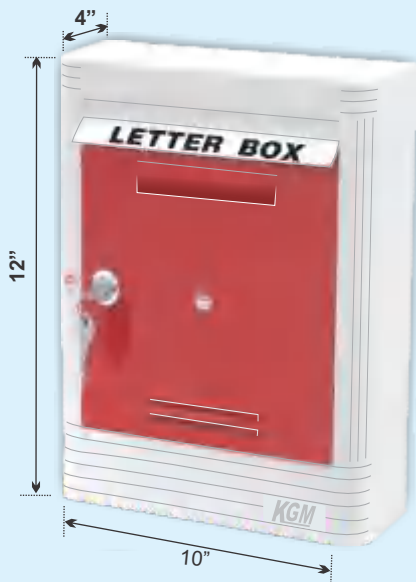
## ABS Plastic Letter/ Suggestion/ First Aid Box

Classic wall mounted ABS Plastic Letter/ Suggestion/ First Aid Box designed by KGM Exports helps you keep your mail safe and dry. An outward opening door flap provides all-round weather protection to keep mail dry, the specially designed narrow post slot provides extra security against post being removed. Mail is retrieved by unlocking the drop front style door. They are available in 12 different ultraviolet stabilised colours to match every taste.

**Standard**

**Transparent Series**

**Small**



**First Aid Box**



### AVAILABLE COLOURS

Body	Door
Cream	Green
Cream	Grey
Cream	Rust
Cream	Red
Cream	Brown
Cream	Yellow
Cream	Cream
Cream	Black
Cream	Blue
Cream	Transparent Red
Light Brown	Dark Brown
Light Grey	Dark Grey



## STEPX P.P MANHOLE SAFETY STEP / RUNGS

StepX is a uniquely designed manhole safety step/rungs made from copolymer polypropylene and reinforced steel bar (12 to 16mm). It is a superior substitute for conventional mild steel/ cast iron footrest. It offers superior resistance to corrosive environments characteristics in sewerage manhole, overhead water tanks, sump tanks and service shafts in multi story buildings.. In addition, the unique slip resistant design and bright colour provides added safety.



### Product Specification

12 to 16mm steel bar confirming to IS 1786 is coated with 6mm copolymer polypropylene confirming to ASTM D-4101/IS-10910 which can easily exceed Vertical load capacity of 225kg as per IS-5455, finishing the surface with 2mm tread on top surface by ribbing or chequering making it anti slip product.

### P.P Manhole Steps/ RUNGS

Referal Code	Size (mm)	Product Image	Packing Qty.
Step X-1	L-265 W-165 THK-25		25
Step X-2	L-265 W-165 THK-25		25
Step X-3	L-365 W-260 THK-25		15
Step X-4	L-365 W-239 THK-25		15
Step X-6	L-300 W-225 THK-25		25
Step X-7 (Clamp with Anchor)	L-135 W-165 THK-25		25
Step X-8	L-325 W-400 THK-25		10

\*L- Length  
W- Width  
THK- Thickness





## Cover Blocks/Spacers

### Plastic & Concrete Cover Block

KGM Exports manufacture superlative world-class Concrete and Plastic Cover Blocks/ Spacers used in place of Convention marble / brick pieces. These Cover Blocks/Spacers not only help to keep the reinforcement bars at the specified place, give proper cover to reinforcement while paving of concrete they also offer convenience of use. Cover blocks/ Spacers are available in various sizes, and avoid the time consuming procedures.

### Concrete Spacers/ Cover Block

#### Product Description

Pile Cage Spacers / Cover Blocks are most effective for vertical applications, used in piles, pile caps and columns. Designed for vertical members with elements incorporated to give minimum contact with form work.

#### Pile Cage Spacers

Referal Code	Concrete Cover	Steel Bar Dia (mm)	Application Area	Packing Qty.
60X40	OD-112/40- THK*	Upto 8-16	Wall/Column	25
75X30	OD-150/30-THK*	Upto 8-16	Wall/Column	25
75X35	OD-150/35-THK*	Upto 8-16	Wall/Column	25
75X50	OD-150/50-THK*	Upto 8-16	Wall/Column	15
80X60	OD-160/60-THK*	Upto 8-16	Wall/Column	15
85X30	OD-170/30-THK*	Upto 8-16	Wall/Column	15
85X40	Upto 8-20	Upto 8-16	Wall/Column	15
100X50	Upto 8-20	Upto 8-16	Wall/Column	15

\*OD- Outer Diameter, THK- Thickness





## Cover Blocks/Spacers



### Product Description

Multiple Cover Spacer/ Cover Blocks are widely used for infrastructure and precasting work. Used for projects to control inventory.

#### Multiple Size Spacers

Referral Code	Concrete Cover	Steel Bar Dia (mm)	Application Area	Packing Qty.
CON-20/25	20/25 mm	Upto 12	Slab	1000
CON-30/40	30/40 mm	Upto 12	Beam/Bottom/Wall/Column/Raft	500
CON-40/50/60	40/50/60 mm	Upto 16	Beam/Bottom/Wall/Column/Raft	150
CON-435/40/45/50	35/40/45/50 mm	Upto 12	Beam/Bottom/Wall/Column/Raft	200
CON-20/25/40/50	20/25/40/50 mm	Upto 20	Beam/Bottom/Wall/Column/Raft	200

### Product Description

Single Cover Spacer/Cover Block are the most basic form of spacers. Easy to install and identify. Most economical amongst all.



#### Single Size Spacers

Referral Code	Concrete Cover	Steel Bar Dia (mm)	Application Area	Packing Qty.
CON-20	20 mm	Upto 12	Slab	500
CON-25	25 mm	Upto 12	Slab	500
CON-30	30 mm	Upto 20	Beam/Bottom/Wall/Column/Raft	500
CON-35	35 mm	Upto 20	Beam/Bottom/Wall/Column/Raft	500
CON-40	40 mm	Upto 20	Beam/Bottom/Wall/Column/Raft	200

\*OD- Outer Diameter, THK- Thickness

Referral Code	Concrete Cover	Steel Bar Dia (mm)	Application Area	Packing Qty.
CON-45	45 mm	Upto 20	Beam/Bottom/Wall/Column/Raft	200
CON-50	50 mm	Upto 25	Beam/Bottom/Wall/Column/Raft	200
CON-60	60 mm	Upto 32	Beam/Bottom/Wall/Column/Raft	200
CON-70	70 mm	Upto 32	Beam/Bottom/Wall/Column/Raft	100
CON-75	75 mm	Upto 32	Beam/Bottom/Wall/Column/Raft	100

## Product Description

Heavy Duty Spacer/Cover Block with G.I. Wire are used in members with very high reinforcement load i.e. Heavy Rafts or Footings. Ideal for high reinforcement loads due do their high breaking load rating.

### G.I. Wire Spacers

Referral Code	Concrete Cover	Steel Bar Dia (mm)	Application Area	Packing Qty.
CON-20 W	20 mm	Upto 12	Slab	500
CON-25 W	25 mm	Upto 12	Slab	500
CON-30 W	30 mm	Upto 20	Beam/Bottom/Wall/Column/Raft	500
CON-35 W	35 mm	Upto 20	Beam/Bottom/Wall/Column/Raft	200
CON-40 W	40 mm	Upto 20	Beam/Bottom/Wall/Column/Raft	200
CON-45 W	45 mm	Upto 20	Beam/Bottom/Wall/Column/Raft	200
CON-50 W	50 MM	Upto 25	Beam/Bottom/Wall/Column/Raft	200



# Plastic Spacers/ Cover Block

## Product Description

Circular spacer that is simply pushed on to the rebar to provide cover through a full 360 degrees making it ideal for columns, walls and beams.



### Circular Spacers

Referral Code	Concrete Cover	Steel Bar Dia (mm)	Application Area	Packing Qty.
CIR-20	20	Upto 10	Column/Side Wal	2500
CIR-30	25/30	Upto 8-10	Column/Side Wall	1000
CIR-35	35	Upto 10	Column/Side Wall	600
CIR-40A	40	Upto 16	Column/Side Wall	400
CIR-40B	40	Upto 10	Column/Side Wall	400
CIR-50	50	Upto 12	Column/Side Walll	200

## Product Description

Grip Spacers sturdy and versatile grip that accommodates most sizes of rebar and mesh. Most commonly used for cast concrete reinforcement rebar

### Grip Spacers

Referral Code	Concrete Cover	Steel Bar Dia (mm)	Application Area	Packing Qty.
CON-25 G	25	Upto 10	Slab/base Plate	2500
CON-35 G	35	Upto 10	Slab/base Plate	2500
CON-40 G	40	Upto 10	Slab/base Plate	1500
CON-50 G	50	Upto 12	Slab/base Plate	1500

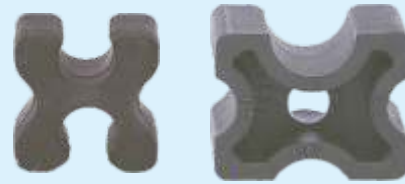


\*LD- Light Duty \*MD- Medium Duty \*HD- Heavy Duty

# Plastic Spacers/ Cover Block

## Star Shape Spacers

Referral Code	Concrete Cover	Steel Bar Dia (mm)	Application Area	Packing Qty.
S-20	15/20/25	Upto 12	BEAM/BOTTOM/SIDE WALL/ COLOUMN	2500
S-40	25/30/40	Upto 20	BEAM/BOTTOM/SIDE WALL/ COLOUMN	500

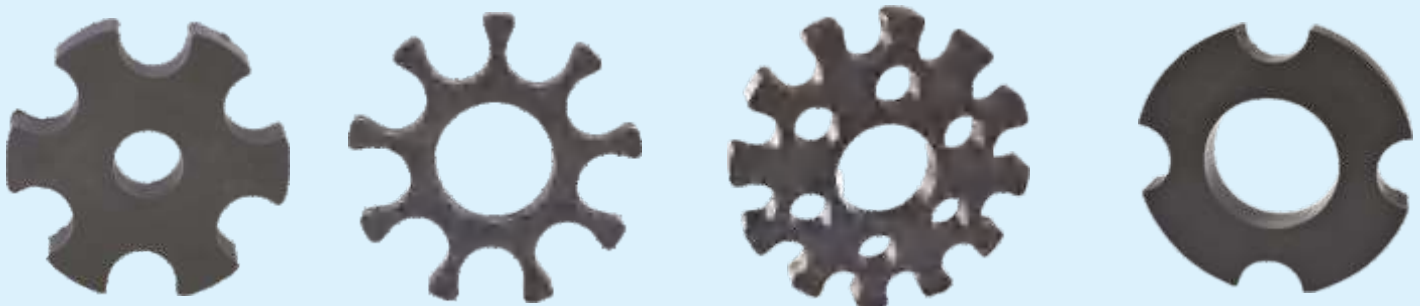


## Product Description

Strand Centralizer spacers are provided in the anchor bond zone to separate the strand and provide for the minimum required grout cover around each strand for corrosion protection and bond strength development. The strand centralizer spacers are normally located 30-60 cm above the bottom of the anchor and at the top of the bond zone. The intermediate strand centralizer spacers are typically placed at a distance of 150-300 cm. Center to centre along the bond zone between the top and bottom spacer.

## Strand Centralizer Spacers

Referral Code	Concrete Cover	Steel Bar Dia (mm)	Application Area	Packing Qty.
Centralizer 1	PVC Cover	Steel Bar Dia(mm)	Application Area	300
Centralizer 2				200
Centralizer 3				



# Plastic Spacers/ Cover Block

## Product Description

These are one of the most widely used spacers for horizontal installation in precast parts, composite slabs and base plates having light and straight re-bar network. Smooth and level re-bar network is the main condition for using this spacer properly.

### Double Rebar Spacers

Referal Code	Concrete Cover	Steel Bar Dia (mm)	Application Area	Packing Qty.
SLB-15	15	Upto 12	Casting flooring and slab	2500
SLB-20	20	Upto 16	Casting flooring and slab	3000
SLB-25	25	Upto 16	Casting flooring and slab	3000
SLB-75	75	Upto 25	Casting flooring and slab	200
SLB-80	80	Upto 25	Casting flooring and slab	200
SLB-85	85	Upto 32	Casting flooring and slab	200
SLB-100	100	Upto 32	Casting flooring and slab	200
SLB-110	110	Upto 32	Casting flooring and slab	150
SLB-130	130	Upto 32	Casting flooring and slab	100
SLB-140	140	Upto 32	Casting flooring and slab	100

\*LD- Light Duty \*MD- Medium Duty \*HD- Heavy Duty







## Grass Pavers/ Paving Grids

**KGM grass pavers / paving grids** are a strong interlocking 100% cellular porous plastic paving grid system for grass reinforcement, ground stabilisation & gravel retention for regular trafficked surfaces (pedestrian and vehicles). KGM porous pavers can be installed with either a grass or gravel filled surface. KGM permeable pavers are manufactured in black, green or natural UV Stabilised 100% virgin HDPE/copolymer polypropylene and are strong, chemically inert & non-toxic. KGM porous paving provide a durable, safe and eco-friendly surface for trafficked areas.

### APPLICATIONS

- Car Parks/Coach parks (Grass or Gravel)
- Overspill / overflow grass car parks
- Emergency Service
- Aircraft taxiways & helipads
- Walkways and disabled access routes
- Golf buggy paths
- Driveways and residential lawn parking



**KGM grass pavers** is a cost effective solution to worn & rutted grassed areas, displaced gravel and for source control of surface water run-off.

### BENEFITS

Light in weight and low cost installation, Environment Friendly, Distributes weight to keep soil from compacting and killing the grass. Not visible after growth of grass hence looks pleasant. Resistance to water, acid, heat & cold .

**KGM grass and ground pavers have a load bearing capacity sufficient for Heavy Loads**

- **Manufactured from 100% VIRGIN polymer**
- **KGM grass pavers / gravel pavers allow a naturally pleasing, environmentally friendly & free draining grass or gravel surface**  
**Available in black, green or natural colour (for discreet gravel surfaces)**

### KGM Grass Pavers Specification

SIZE : 330mmx330mmx35 mm

MATERIALS : High Density Polyethylene (HDPE)/copolymer polypropylene with UV Stablized colour

COLOUR : Green

WEIGHT : 3.0 kg/ Sq. Mt.

Compressive Strength: 100 Ton / Sq. Mt.

### STRUCTURE :

Four floral shaped structure with open cells and nine no's of round cells opening size 45 mm in diameter.Each open cells is connected with a web structure for the strength and stability of the honey comb design.Base of the web is designed with slot as such for the drainage .Four round struts at the four corners are designed to anchor the garss pavers after fixing with each other.

### CRUSHER RUN OR SANDY GRAVEL ROAD BASE TO THE APPROVED REQUIREMENTS

**KGM grass pavers** is easy to assemble and no special tool is required to fix .The product conforms to the odd shapes and profiles. Excess cells can be trimmed with pruning shears to fix in to the desired shapes.

- Prior to installation calculate the area where grass pavers is to be installed
- Excavate and level the area before laying .
- Install irrigation, utility or drainage systems in the subgrade as per requirement.
- Lay and compact sand and gravel road base or washed paving sand to provide support for the projected weight bearing tools.
- Position grass pavers on the compacted sand & gravel road base/paving sand
- Cover all the grass pavers with recommended sand soil mix for the turf establishment.
- Apply recommended moisture, water retention agent and fertilizer.
- Place hydro seeds onto the grass pavers cells.

*We recommend that seeded and turfed area is not to used until grass has established*



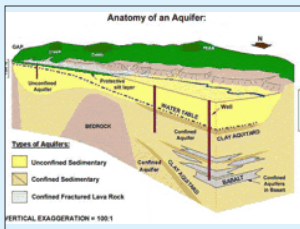
# Grass Pavers/ Paving Grids

## Environmental Benefits



KGM Grass Pavers not only protects the environment but enhances it. KGM Grass Pavers is available in HDPE that goes into improving the environment ( specially for Green Building Projects). Grass Pavers has the ability to clean pollutants by bioremediation, reduce erosion and soil migration. It contributes to airborne dust capture and retention. Cooling the atmosphere and reducing "urban heat island effect" (cities being upto 10 deg hotter than the undeveloped land) are added benefits of KGM Grass Pavers. It promotes the conversion of carbon dioxide (green house gas) into Oxygen and has "air conditioning effect".

## Ground Water Recharge



Over years due to rapid infrastructure development and building work the open spaces for ground water recharge has reduced considerably. Water table is dropping every year and is cause for immense concern. KGM Grass Pavers with over 90% porosity helps in ground water recharge. Hard surfaces like asphalt and concrete have 95% water run off and no percolation.

## Asthtic Driveways and Parking Lots



KGM Grass Pavers provides architects and developers with a grassed alternative to unsightly concrete and asphalt pavements and driveways. Grass simply looks better than asphalt and concrete that has been used for years in landscaping. Positioned under the grass surface, Grass KGM Pavers distributes loads from pedestrian and vehicular traffic to the base course below, minimizing grass and root compaction. In addition the interconnected cells allows roots to develop with minimal restriction resulting in a durable and stable grass surface. Vegetation not only survive but thrive with Grass Pavers. It has the ability to deliver water, oxygen and carbon dioxide through the cross section all essential to root growth and survival. Concrete and asphalt suffocates and starve the root of water and air. Thus what you get is a 100% grass cover where vehicles including

asphalt suffocates and starve the root of water and air. Thus what you get is a 100% grass cover where vehicles including



## Fire Tender Pathways

By far the most common application of KGM Grass Pavers is into fire lanes. Grass Pavers having been tested for compressive strength of over 100 Tons/sq mt is ideal for fire lane application. Normal fire tenders exerts load of 40 Tons/sq mt with more advanced fire tender exerting load upto 88 Tons/sq mt. All fire tenders can safely navigate even on a wet KGM Grass Pavers surface.

## COMPARISON WITH STONE/ CONCRETE PAVERS

Features	Stone / Concrete Pavers	KGM Grass Pavers	Remarks
Percentage of Green Area	0-30%	100%	It can achieve 100% green effect.
Stability	Tend to rock/ wobble	Very Stable	Each unit is interlocked so it behaves as a single unit
Load Bearing Behavior	Vehicle load is borne by individual slab	Vehicle load is spread out through all units	Any load is spread across the entire area
Weight	Heavy	Light Weight	Easy to transport, handle and lay
Installation	Cumbersome	Easy	Less labor required and fast to lay
Fire Tender Load	Cannot take the load	Can take load of Fire Tender	Better compressive strength
Ground Water recharge	Limited as porosity is very less	High as porosity is 90%	Ecologically friendly, Regenerates water table



## KGM Drain Cell

The **KGM** Drain cell drainage system is an product developed by the company. The product was developed to facilitate adding roof top gardens and planter boxes to building construction without adding heavy aggregate as drainage that placed severe limitations on the structural design of the building. The product provided a structurally strong structure, highly effective drainage and lightweight properties that was so successful that the drainage cell became an landscaping industry standard.

### The KGM Drainage Cell is available in the following sizes;

- 15mm
- 20
- 25mm

The **KGM** range is a versatile product suitable for many applications including the drainage of sports fields, civil works, retaining walls and landscaping applications. The KGM is also ideally suited for (Water Sensitive Urban Design) applications and provides an ideal use for increasing the permeability of ground areas which reduces overland flow and facilitates groundwater recharge.

### Benefits

- Rapid Drainage  
Efficiently drains excess water while retaining an optimum moisture level – ideal for promoting plant growth in planter box and roof garden applications
- Lightweight  
No cranes or lifting equipment required
- Strong Structural Design  
Structurally engineered to be used in drainage-critical applications such as planter boxes and roof gardens.
- Versatile Design

The Kgm products can be installed horizontally or vertically and are easily configured to meet project

### Specifications.

- Quick Installation
- Faster installation than traditional aggregate drainage systems.
- High Infiltration
- 90% void ratio.
- Biological Resistant
- The product is indefinitely resistant to biological contaminants.





## KGM Grass Pavers

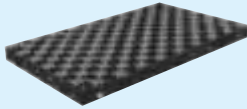
### KGM Drain Cell Specifications:

#### 20/25mm KGM Drainage Cell



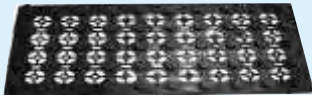
Size	20 mm(H)X250mm(W)X500mm(L)
Compressive Strength	150t/m <sup>2</sup>
Flow Rate	0.65 L/s/m @ 1% gradient

#### 20/25mm KGM Drainage Cell



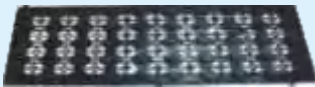
Size	20/25mm(H)X250mm(W)X500mm(L)
Compressive Strength	150t/m <sup>2</sup>
Flow Rate	0.65 L/s/m @ 1% gradient

#### 15mm KGM Drainage Cell



Size	15mm(H)X250mm(W)X500mm(L)
Compressive Strength	150t/m <sup>2</sup>
Flow Rate	1.41 L/s/m @ 1% gradient

#### 15mm KGM Drainage Cell



Size	15mm (H) x 610mm (W) 410mm (L)
Compressive Strength	150t/m <sup>2</sup>
Flow Rate	2.65 L/s/m @ 1% gradient

#### General Product Properties

Material	85% Recycled Polypropylene, 15% Proprietary Materials
Colour	Black
Void Ratio	>90%
Biological Resistance	Not affected by biological activity.
Chemical Resistance	Excellent resistance to Acids, Alcohols, Bases and Mineral Oils. Good resistance to Aldehydes, Esters, Aliphatic Hydrocarbons, Ketones and Vegetable Oils.
Recommended Service Temperature	10°C to 70°C



## Plastic Rebar Safety Caps



### Product Description

Plastic rebar safety caps with fluorescent colour for stark visibility and ideal for OSHA compliance at sites. Rebar safety caps are used on top of waiting rebar's to help ensure construction site safety, and to protect against implement injuries caused by freely protruding rebar's, safe environment is created for workers, technicians and construction engineers.

### Safety Caps

Referral Code	Size (mm)	Cover Size	Steel Bar Dia (mm)	Packing Qty.
Mushroom Safety Cap with Metal	ID-40 OD-45	32	Upto 32	500
Mushroom Safety Cap	ID-39 OD-42	8-16 mm	Upto 32	500
Mushroom Safety Cap	ID-26 OD-30	16-32 mm	Upto 32	500
Flexible Rebar Cap	ID-32 OD-37 Height-88	8-30 mm	Upto 32	500
Flexible Rebar Cap	ID-18 OD-21	8-30 mm	Upto 32	500

H- Height  
OD-Outer Dia  
ID-Internal Dia

#### Mushroom Cap with MS Plate

Dimensions: ID-42mm, OD - 45 mm  
 Steel Up To: 32 mm  
 Use: Safety Cap  
 Type: Mushroom Safety Caps  
 STD. PKG: 500 No's  
 Yellow/ Orange for high visibility  
 Rebar Caps are used TMT Cover,  
 Human safety to prevent accident.



#### Orange Safety Cap (small)

Dimensions: ID-18mm, OD-21mm, Lebgth-60mm  
 Steel Up To: 8-16 mm  
 Use: Safety Cap  
 Type: Dumbbles  
 STD. PKG: 1000 No's  
 Yellow/ Orange for high visibility  
 Rebar Caps are used TMT Cover,  
 Human safety to prevent accident.





## GEO Textile



### Product Description

Geo textile provides high level of protection to the soil before construction on it. Geotextile help in preventing soil from any sort of contamination in groundwater and soil. They can be utilized alone as well as with some other materials to give higher level of protection. Our array of Geotextile is used during various construction processes of walls, foundations, roads, drainage and so on

Unit:- 120 to 400 GSM



### Drain Cover /Manhole Cover



### Curv Stone

Size:

300x300x150  
300x250x100



### Drain Saucer

Size:

600 X 300 X 75 /50  
600 X 450 X 75 /100  
600 X 600 X 75 /100  
300 X 300 X 50 /75  
600 X 300 X 50 /75  
300 X 300 X 75 /100  
300X 450 X 75 /100

