

Our range of civil engineering products have been used in the industry for many years, providing products for separation, reinforcement, drainage and erosion control used in major civil engineering projects including road, rail and bridges.

Gas barrier systems are designed to provide complete protection against the ingress of harmful methane, radon and CO² gases. Used in conjunction with gas resistant DPC, gas barrier jointing system and gas resistant self adhesive membrane, these systems offer superior protection and are all supplied from leading manufacturers.



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Gas Barrier Systems

Proofex Total

Reinforced gas membrane designed to protect buildings and their occupants from the effects of methane, radon, carbon dioxide and other harmful gases. Like conventional ground membranes, Proofex Total also acts as a damp-proof membrane to help protect the building against the ingress of moisture from the ground.

Ancillaries

Proofex Total Tape

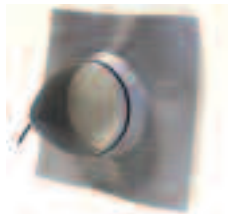
Double-sided butyl tape for sealing of side and end laps and for use in detailing work.

Proofex Top Hats

MDPE sheathing, which encapsulates an aluminium foil layer.

Proofex Total

Type	Size
Proofex Total	2 x 25m
Proofex Total Tape	50mm x 30m



Bituthene® 8000

Bituthene 8000 combines the proven super sticky Bituthene low temperature technology with a unique, solar reflective carrier film to provide superior performance and easier installation. It can be used horizontally or vertically to protect basements and other critical sub-structures from the effects of hydrostatic pressure, ground contamination, damp or gas penetration.

Bituthene 8000

Type	Roll Size (m)	Primer	Application Temp Range (°C)
Bituthene 8000	1 x 20 (20m ²)	B2	+5 to +35



Bituthene® MRX

Bituthene MRX is a methane, CO₂ and radon gas resistant grade of Bituthene specifically designed to resist the passage of methane gas in addition to acting as a waterproof membrane protecting building foundations.

Bituthene MRX

Type	Roll Size (m)	Primer	Application temp range (°C)
Bituthene MRX	1 x 20 (20m ²)	B1	+10 to +35



Protect GDB10 Universal Gas and Damp Barrier

Z-Led Protect GDB10 is a universal barrier membrane used to protect new buildings against harmful ground gases (Methane, Carbon Dioxide and Radon) and rising damp. When used with Z-Led slab edge protection and cavity barrier, Protect GDB10 provides complete protection when installed in accordance with BR414 2001.

Z-Led Protect GDB10 is a multi-layer polyethylene / polypropylene membrane with an integral continuous solid aluminum foil, it is lightweight (17.5kg / 100m² roll), incredibly strong and is clean to work with. A full range of factory fabricated accessories, tapes and sub-floor depressurisation products complete the Z-Led total protection solution.

Protect GDB10 Universal Gas and Damp Barrier

Performance and test method	MD (Along roll)	CD (Across roll)
Nail tear strength (N) to BS EN 12310-1 modified	420	380
Tensile strength (N/50mm) BS EN 12311-1 modified	760	650
Elongation (%) to BS EN 12311-1 modified	25	15
Water vapour resistance (MNs/g) to BS EN 1931	>1000	
Methane permeability based on BS EN 374-3: 2003	<1.5ml/m ² /day	
Radon permeability	4.2 x 10 ⁻¹² /m/s	
Radon transmittance	21 x 10 ⁻⁹ /m/s	
Carbon dioxide (CO ₂) permeability to BS EN 374-3: 2003	<0.005µg/cm ² /min	
Water penetration resistance to BS EN 1928: 2001 Method A modified	Pass Class W1	



RIW Sheetseal GR

RIW Sheetseal GR is a cold applied, high density polyethylene film bonded to aluminium foil and coated with a bitumen/rubber self adhesive layer with a removable reinforced silicone release paper.

When designing Type A structures (as classified in BS8102:1990), the product applied correctly, is capable of providing the levels of protection required for grades 1, 2, 3 & 4 basements.

Sheetseal GR

Type	Thickness (m)	Roll Size	Roll Weight (kg/m ²)
Sheetseal GR	1.6	1050mm x 19.05m	1.7

Sheetseal Primer

Sheetseal primer is a bitumen solution. Min Temp +5°C.

Sheetseal Primers

Type	Size (l)	Coverage (m ² /l)
Sheetseal Primers	5, 25	7

RUBEROID Hyload Tanking Membrane Gastite SA

A self adhesive damp proof and tanking membrane for protecting structures against the ingress of moisture and methane, carbon dioxide and radon gases. It can also be used as a gas resistant DPM.

Hyload Gastite LL DPM

A loose laid damp proof membrane for the protection against damp and common ground gas. Hyload Gastite LL DPM offers a safe solution for the protection of building against methane, radon and carbon dioxide.

Hyload Gas Barrier Membranes

Type	Size
Hyload Tanking Membrane Gastite SA	1m x 20m
Hyload Gastite LL DPM	1.6m x 30m
Hyload Gastite Double Sided Jointing Tape	50mm x 10m
Hyload Gastite Foil Backed Girth Jointing Tape	75mm x 50m
Hyload Pre-formed Pipe Collars (Top Hats)	Various to order





Bitusheet Gas Barrier Membrane

A high density polyethylene sheeting laminated to aluminium foil and coated with a self adhesive bitumen/polymer compound. Bitusheet Gas Barrier Membrane is designed for use as a cold applied flexible membrane to provide a barrier to Methane and Radon gases. Incorporating a 50mm selvedge on one edge to form homogenous overlap joints. Bitusheet Gas Barrier Membrane may be laid onto concrete blinding or directly onto compacted sand blinding with the longitudinal and end overlaps sealed.

Ancillaries

Bitusheet Primer

A one part bituminous solution for brush or spray application. To provide the sealing of porous surfaces to promote adhesion of Bitusheet and self bonding flashings.

Bitusheet Reinforcing Tape

Self Adhesive Reinforcing Tape comprises of a cross laminated high density polyethylene sheet coated with a Bitumen Polymer Adhesive, faced with a release sheet.

Bitusheet Reinforcing Strip

Used to reinforce corners and changes in direction.

Bitusheet Mastic

Bitusheet Mastic Filler is a bituminous mastic of trowelling consistency.

Bitusheet HD Protection Board

A tough durable Polymeric protection board to prevent damage to the membrane during backfill.

Bitusheet Gas Barrier System

Type	Size	Coverage
Bitusheet Gas Barrier	1050mm x 28.57m	30m ²
Bitusheet Primer	5ltr can, 25 ltr drum	10 - 12m ² /litre
Bitusheet Reinforcing Tape	100, 150, 300mm x 20m	N/A
Bitusheet Reinforcing Strip	300m	N/A
Bitusheet Mastic	25kg	N/A
Bitusheet HD Protection Board	3mm x 1m x 2m	2m ²

See the accessories section for spray guns, lap rollers, brushes and cleaning equipment



Visqueen Radon Protection System BRE 083/01

Independently Accredited by BRE Certification Ltd (Certificate Number 083/01) Visqueen Radon Membrane is an unreinforced polyethylene membrane, suitable for use in the protection of buildings from the ingress of Radon gas. Visqueen Radon Membrane will act as an effective passive radon membrane in most typical applications when installed in accordance with our instructions and will also act as a damp proof membrane.

Visqueen Radon Protection System

Type	Colour	Size	Weight (kg)
Radon Membrane	Red	25 x 4m x 300mu	27.6



Polythene Radon Barrier

BBA approved radon membrane system in 300 micron for use in the protection of buildings from the ingress of radon gas on contaminated land. Supplied in 4m x 25m rolls.



VISQUEEN
BUILDING PRODUCTS
visqueen@sigscp.co.uk

Visqueen CO₂ Gas Membrane

The Building Regulations require that proper precautions be taken to prevent danger to health and safety when building on contaminated land. Visqueen CO₂ Gas membrane offers a safe solution for the protection of buildings against carbon dioxide, when installed in accordance with BRE Report: 414 "Construction of buildings on gas contaminated land". Visqueen CO₂ is a robust polyethylene-based membrane; for ease of identification on site the membrane is coloured yellow. The Barrier is flexible and is easy to install, will also act as a damp proof membrane.

Visqueen CO₂ Gas Membrane

Type	Colour	Length (m)	Width (m)	Weight (kg)
CO ₂ Gas Membrane	Yellow	25	4	27.6

VISQUEEN
BUILDING PRODUCTS
visqueen@sigscp.co.uk

Visqueen Ancillaries

Visqueen Zedex CPT High Performance DPC

A new generation of damp proof course, made from Co-Polymer Thermoplastic (CPT), it possesses the characteristics necessary for it to perform effectively under harsh conditions.

Visqueen Double Sided Jointing Tape

A butyl based double sided tape for joints and laps.

Visqueen Foil Backed & Standard Girth Jointing Tape

A single sided jointing tape suitable for securing laps and joints.

Visqueen Pre-formed Top Hat Units

For effective sealing around service pipe penetrations.

Visqueen Gas Resistant Self Adhesive Membrane

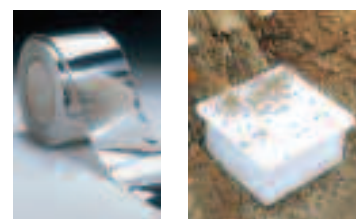
A self adhesive membrane designed to prevent the transmission of radon and methane gases.

Visqueen Radon Sump

Where sub-floor depressurisation is required a Radon Sump should be used. This is a prefabricated plastic sump, to which pipe work is connected.

Visqueen Ancillaries

Type	Size
Zedex CPT High Performance DPC	100 - 1500mm x 20m
Double Sided Jointing Tape	50mm x 10m
Foil Backed & Standard Girth Jointing Tape	100mm x 30m
Pre-formed Top Hat Units	To suit pipe diameter to order
Radon Sump	220 x 430 x 430mm



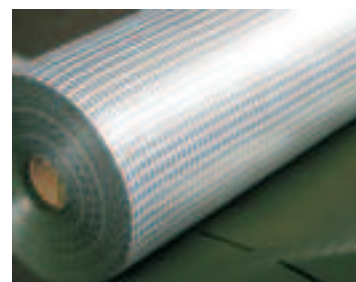
VISQUEEN
BUILDING PRODUCTS
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Visqueen GX Geomembrane

A high quality single layer HDPE membrane and is suitable for use as a barrier membrane on brownfield sites that require protection from dangerous contaminants such as hydrocarbons and methane, together with excellent damp proofing characteristics.

Visqueen GX Geomembrane

Type	Width (mm)	Roll Length (m)
Visqueen GX Geomembrane	645, 970	30





Visqueen Gas Resistant (GR) DPC

A flexible polyethylene DPC with an aluminium foil designed to prevent the transmission of carbon dioxide, radon and methane gases. This is in addition to the products usage as a damp proof course. Resistance to carbon dioxide, radon and methane is achieved by an integral aluminium film.

Visqueen Gas Resistant (GR)

Type	Width (mm)	Roll Length (m)	Weight(kg/m ²)	Thickness (mm)
Visqueen Gas Resistant (GR)	500 - 1000	30	0.5	0.5



Visqueen Gas Barrier Jointing Tape

A double sided butyl based jointing tape. The use of a single release paper assists ease of application on site. Visqueen Gas Barrier Jointing Tape is suitable for use in the lapping and sealing of Visqueen Gas Barrier.

Visqueen Gas Barrier Jointing Tape

Type	Width (mm)	Roll Length (m)
Visqueen Double Sided Jointing Tape	50	10



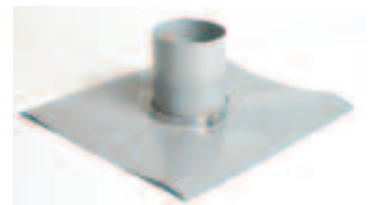
Visqueen Top Hat Units

Used to provide an effective seal around service pipe penetrations. They are available in a range of sizes, the typical size being 110mm diameter.

Visqueen Top Hat Units

Type	Typical Diameter (mm)*
Visqueen Top Hat Units	100 - 160

*Other dimensions available



Protection Sheet

Polypropylene protection board of corrugated structure easily cut, curved or creased on corrugations. Tough and durable. 2.0mm and 8.0mm thick.

Temporary protection polythene for covering up materials and work on site.

Polypropylene Protection Board

Code	Thickness (mm)	Roll Size (m)
BD2POL	2	1.22 x 2.44
BD8POL	8	1.225 x 2.5
BD2/CLEAR	2	1.0 x 2.0

Temporary Protection Polythene

Code	Thickness (mu)	Roll Size (m)
TPS	TPS/50	4 x 25
500G	500G/125	4 x 40

Polythene DPM

Tuffreel

High tear resistance, great tensile strength and no pin-holes. Roll weight and full dimensions shown on label, minimum roll weight guaranteed, colour coded for easy on-site identification. Manufactured to the PIFA Standard and BBA Certificate.

Tuffreel

Type (mu)	Size (m)	Weight (kg)
250	4 x 25	23 minimum
300	4 x 25	27.6 minimum
500	4 x 12.5	23 minimum



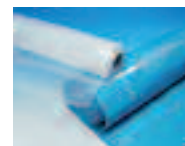
SIG Construction Accessories Polythene DPM

SIG Construction Accessories certified Polythene DPM Damp-Proof membranes for use in solid concrete ground floors (not subject to hydrostatic pressure) to protect buildings against water from the ground.

Preparation/Installation: SIG Construction Accessories BBA Polythene has a high resistance to puncture and will not be damaged by foot traffic. The membrane should be jointed in accordance with the BBA recommendations using BBA DPM jointing tape. See page 263.

SIG Construction Accessories Polythene DPM

Type	Size (m)
125 mu (500 Gauge Polythene)	4 x 50
250 mu (1000 Gauge Polythene)	4 x 25
300 mu (1200 Gauge Polythene)	4 x 25
500 mu (2000 Gauge Polythene)	2 x 25 4 x 12.5
Temporary Protection (TPS)	4 x 25



Visqueen Polythene DPM

Manufactured from high quality reprocessed Low Density PolyEthylene (LDPE) Visqueen Damp Proof Membranes have successfully prevented moisture penetration from floors for many years.

- Conforms to PIFA standard 6/83A:1995.
- High puncture resistance.
- Withstands rough site handling.
- Comprehensive range to satisfy most site conditions.

Visqueen Polythene DPM

Type	Size	Weight (kg)
250mu	4 x 25m	23
300mu	4 x 25m	27.6
500mu	4 x 12.5m	23
Double sided jointing tape	50 x 10mm	N/A
Girth jointing tape	100 x 33mm	N/A



Bitumen Products

Leotak (K140)

A cold applied, rapid acting 40% cationic bitumen emulsion to BS434-1:2984 Class K1-40. Leotak is ideal for priming surfaces prior to laying a bituminous carpet. It provides excellent adhesion in damp conditions and will cure concrete by sealing against water evaporation. Pack sizes: 25kg screw cap pouring containers and 200kg drums.

Leocatic Spray (K160)

A 60% bitumen content, cold-applied cationic emulsion to BS434: Part 1, Class K1-60. It is used for sealing sub-bases, patching, as a tack coat, for surface dressing and for grouting. It is particularly useful for footway construction and surfacing.

Leochip VLS

A cold-applied, thixotropic bitumen emulsion surface dressing binder. It is formulated for hand application and will not pond or spread on uneven surfaces. It is a frequent choice where attractive natural finishes are required in landscape design.

Leoseal

An economical and flexible waterproofing and crack sealant designed for easy hand application. It is ideal for waterproofing below ground concrete structures. It can also be used to seal cracks in bituminous surfaces to prevent damage arising from the ingress of water.

Leopave

A ready to use hand Applied slurry seal suitable as a sealing coat on lightly trafficked surfaces such as footways, driveways and car parks. It is cold applied and easy to handle it will improve the appearance of worn tarmac.

Bitukold

A cold-applied thixotropic bitumen emulsion used for vertical joints in asphalt and macadam. Bitukold is designed for the sealing of transverse, longitudinal and vertical joints. Applications include patch repairs, trench reinstatements, drain or manhole frames and kerb channels.



Bitucrete

A cold applied, deferred set, storage grade macadam - ideal for instant, high quality repairs to concrete or bituminous surfaces. Available in a variety of grades, Bitucrete can be used for footway repairs, patching, reinstatements and temporary surfacing. Bitucrete provides an immediate cure for potholes in car parks, roads, drives and many other surfaces. Bitucrete is available in 6mm & 20mm in black and 6mm in red.

Colas Bitumen Products

Type	Size	Coverage
K140	25, 200kg	0.6kg/m ²
K160	200kg	1.8-2kg/m ² *
Leochip VLS	25, 200kg drums	1.3-1.8kg per m ²
Leopave	20kg resealable plastic buckets	5-7m ² per 20kg pack
Bitukold	15kg resealable plastic buckets	1.5kg per m ²
Bitucrete	25kg bags	12 litres

* refers to single dressing application

**Separation****Terram**

Terram Geotextiles, provide an effective solution to the age-old problem of constructing stable roads, driveways, car parks, and footpaths over soft foundation soils. Terram prevents the intermixing of the granular layer with the soft subgrade, whilst allowing controlled passage of excess pore water from the soft subgrade.

Terram is also suitable for land drains, french drains and soakaway applications.

Available grades from 65g/m² to 335g/m²

Terram Geotextiles

Type	Length (m)	Width (m)	Weight (kg)
1000	100	4.5	65
Advantage	100	4.5	45
2000	100	4.5	105
3000	100	4.5	125
4000	50	4.5	80

**Erosion Control****Terram Erocell**

Erocell can be used in many slope protection applications, eliminating the need for complicated construction techniques.

Its cellular structure confines and reinforces infill material, greatly improving resistance to erosive forces such as rainwater run-off on steep or unstable slopes.

Erocell provides the means to fully vegetate slope surfaces where it would not otherwise be possible. A variety of infills can be used depending on the application.

Terram Trinter Mat

Trinter Mat is an erosion control net made of strong polyethylene and polypropylene. It offers permanent protection against soil erosion from the moment it is installed and is now being used extensively throughout Europe with great success. Easy to use, very strong and durable with a high resistance to degradation, Trinter can be used on all kinds of slopes.

Erocell and Trinter Mat

Type	Length (m)	Width (m)	Thickness (mm)
26C	100	5	0.64
35C	100	5	0.59
42A	100	3.8	0.65
Trinter Mat	25	2	20 - 25





CMS Web

CMS Web is typically used for erosion control on slopes, embankments and riverbanks. CMS Web provides stability to slopes where the soil friction angle is insufficient, thus reducing soil loss.

It is a three-dimensional honeycomb structure made from strips of extruded polypropylene. Its welded joints deliver extremely high tensile strength, making it suitable for installation on steep slopes.

Applications

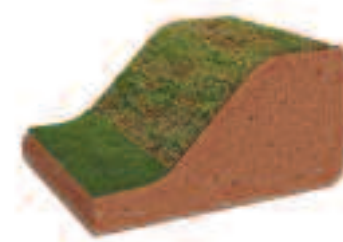
Slopes, access roads, embankments and revetments.

Projects

Highways, riverbanks and landscaping.

CMS Web

Technical Data					
Depth	50	75	100	150	200
Material	HDPE				
Density (/cm ³)	>0.945				
Carbon Black Content %	2-3				
ESCR – Environmental Stress Crack Resistance (hours)	>1500				
Wall Thickness (mm)	1.25 (+/- 5%)				
Ultrasonic Welding	Full ultra sonic welding				
Cell Height	50	75	100	150	200
Minimum Seam Peel Strength	500	710	1000	1420	2000
Unit weight (kg)	13.5	20	27	40	54
No Strips Per Unit	60				
Cells Per SQ. M.	40				
Width of Individual Expanded Cell (mm)	487				
Length of Each Expanded Cell (mm)	426				
Width of Expanded Unit (m)	2.50				
Length of Expanded Unit (m)	12.40				
Area per Unit (m ²)	31.00				



Drainage Composites



Terram composites provide and maintain high flow paths for water and gases, therefore maintaining soil stability. It separates and protects structure from fill material and being light and easy to handle they are quick to install and demonstrate a cost effective replacement to conventional materials.

B1

Suitable for vertical structure applications where waterproofing protection is not a requirement.

1B1

Suitable for vertical or inclined structure and ground drains and plays an important role in protecting structure water proofing.

1C1

Similar characteristics to 1B1 with greater flow capacity.

1BZ

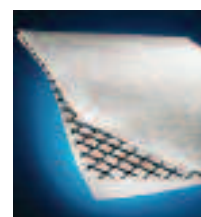
Suitable for vertical or inclined structure and ground drains, it has an impermeable surface making it ideal for cut-off drains and methane gas control in waste management.

Frost & Salt Barriers

Prevents frost heave and/or Salt damage by acting as a capillary break above the water table, thus eliminating the damaging sequence of events that occurs with frost heave.

Terram Drainage Composites

Type	Length (m)	Width (m)	Thickness (mm)
B1	25, 50, 100	2, 4	4.5
1B1	25, 50, 100	2, 4	5
1C1	25, 100	2, 4	5.8
1BZ	25, 50, 100	2, 4	5
Frost & Salt Barriers	25	2	5.5



Woven Geotextiles

Woven Geotextile is strong, tough and durable for use in ground stabilisation.

Woven Geotextile

Type	Size (m)
Woven Geotextile	2, 4.5 x 100



CMS 90 Woven and Geotec

CMS 90 is a geotextile membrane for use as a drainage filter and separator in all types of civil engineering, building and landfill projects.

CMS 90 is manufactured from extruded polypropylene tapes which are resistant to all naturally occurring soil acids and alkalis and unaffected by bacteria and fungi. It's woven geotextile construction delivers high tensile strength, making it particularly suitable for use in separation layers.

CMS 90 is used below access roads (both temporary and permanent) to create a firm base on which to place the crushed stone foundation layer.

CMS 90

Product	Roll size	Weight per roll	Material
CMS 90	4.5m x 100m	43kg	Black Polypropylene



CMS Geotec W - High Strength Woven Geotextiles

Geotec wovens act as an excellent separator preventing the loss of expensive stone into the soil below.

Higher strengths of Geotec wovens are available for soil stabilisation and reinforcement applications.

Applications

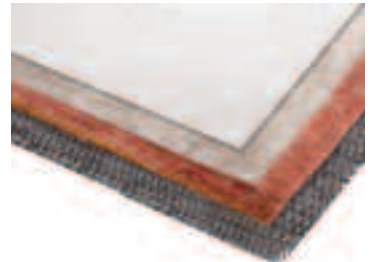
Separation, reinforcement, stabilisation and coastal erosion.

Projects

Highways and access roads, stone foundation layers, car parks, steep slopes, embankments and runways.

Geotec Features and benefits;

- Reduces loss of expensive stone.
- Products to suit any application.
- Innovative solutions compared to traditional methods.
- High strength and excellent filter properties.
- Manufactured in quality controlled environment.
- Competitive pricing – real cost savings.
- Full technical and on-site support.
- Standard range in stock for next day delivery.
- Quick and easy installation.



Non-woven Geotextiles



CMS offers a comprehensive range of non-woven geotextiles, Geotec TB (thermally bonded), NP (Needle Punched) in addition to our standard range.

CMS Non woven geotextiles

Product	Roll Size (m)	Weight (g/m ²)	Thickness (mm)
Geotec GP	4.5 x 100	80	0.8
Geotec 1000	4.5 x 100	105	1.0



CMS Geogrids

CMS offers a comprehensive range of geogrids, both biaxial and uniaxial, available in propylene or polyester. CMS geogrids can be used in most building or civil engineering applications, including highways, embankments, and slope reinforcement, retaining walls and spanning voids. Large aperture grids are available where the aggregate particle size is over 75mm.

CMS also offers a combination grid / geotextile that reduces installation costs on projects where traditionally they were laid separately. These are typically used in areas where the soil has a low CBR or the ground has a high clay content.

Applications

Embankments and slopes, foundations, asphalt reinforcement, highways, retaining walls and abutments and soil veneers.

Projects

Highways, landfill, railways, waterways, new builds.

CMS Geogrids

Product	Roll Size (m)	Strength (kN/m)	Material
CMS Grid 20/20	4 x 50	21	Extruded Polypropylene
CMS Grid 30/30	4 x 50	33	Extruded Polypropylene
CMS Grid 40/40	4 x 50	42	Extruded Polypropylene



Woven Geogrid



CMS Secugrid®

Secugrid® geogrids: Uniaxial, Biaxial and Large Aperture Reinforcement Grids.

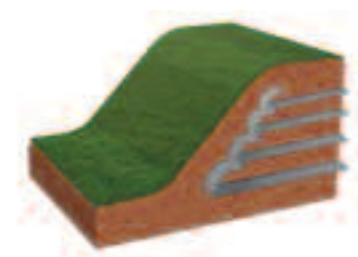
Secugrid® geogrids are flat geogrids made from interlaced extruded polymer bars. They can be produced in both uniaxial and biaxial orientations, and formulated from either Polyester or Polypropylene resins.

The high strength monolithic welded junctions provide soil reinforcement for all civil engineering applications, including environmental, infrastructure and marine engineering projects. Secugrid® geogrids provide tensile reinforcement for base courses in railways and highway foundation engineering, steep sided soil embankments and retaining walls. They are also used for foundation reinforcement of earth embankments, load transfer of overlying soil masses, for spanning voids and sink holes, for sludge lagoon closures, trench covers and beds.

Large aperture grids are designed for use where the available fill has a particle size greater than 75mm. The larger aperture is necessary to maintain the required interlocking effect between the aggregate and the geogrid.

CMS Secugrid

Product	Roll Size (m)	Weight (kg per roll)	Material
Secugrid 20/20	4.75 x 50 or 100	90	Polypropylene
Secugrid 30/30	4.75 x 50 or 100	97	Polypropylene
Secugrid 40/40	4.75 x 50 or 100	112	Polypropylene

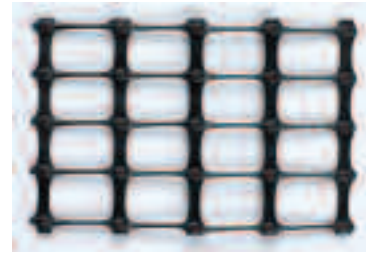


TENAX Tenax

Tenax LBO bi-oriented geogrid, with a high tensile strength in both directions and a uniform distribution of rectangular apertures, Tenax LBO is ideal for paved and unpaved roads, industrial yards, embankments, foundations in very soft soil, etc. By confining the granular fill and providing tensile reinforcement Tenax LBO helps distribute loads more effectively, resulting in reduced rutting and shear failure.

Tenax Geogrid

Type	Length (m)	Width (m)	Tensile Strength (kn)
LBO220	50	4	20
LBO330	50	4	20
LBO440	50	4	20

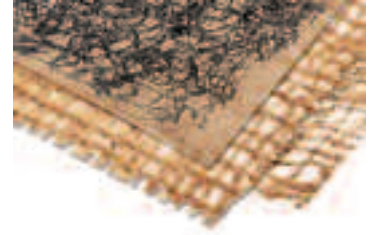


CMS Slope-Guard Biodegradable Erosion Control Matting

CMS provides a full range of erosion control materials, both biodegradable and non-biodegradable, offering a comprehensive and cost effective solution to any erosion challenge. Within CMS Geotechnical's biodegradable range are CMS Slope-Guard Coir, Jute and Hessian mattings, which all provide an environmentally friendly solution for even the most severe erosion applications.

Biodegradable matting acts as protection to the slope, preventing expensive soil loss and slope instability, while providing an excellent microclimate for seeds to germinate.

Weights range from 150-1400 grams and have a life span from one to five years. Biodegradable seeded blankets are also available.



Slope-Guard Biodegradable Erosion Control Matting

Reference	295	305	400	700	900	1400	F Looped
Material	Coir	Coir	Coir	Coir	Coir	Coir	Coir
Biodegradable	100%	100%	100%	100%	100%	100%	100%
Life Span (years)	2	3	3	4	4	5	5
Weight (g/m ²)	295	305	400	700	900	1400	1400
Mesh Size (mm)	40 x 40	30 x 30	30 x 30	10 x 10	8 x 8	5 x 5	5 x 5
Open Area (Approx.)	70%	60%	65%	45%	38%	26%	20%
Weave Type	Knotted	Knotted	Plain	Plain	Plain	Plain	Looped
Tensile Strength	2	3	6	9	15	>15	>15
Roll Weight (kg)	20	30	45	70	90	140	280
Applications	Gentle slopes light erosion good soil.	Gentle slopes light erosion good soil.	Medium slopes poor soil.	Steep slopes. Cliff faces Taxiways heavy erosion	Steep slopes. River banks infrequent wetting.	River banks. Coastal defences regular floods.	River banks. Coastal defences regular floods.



CMS Slope-Guard Type 4

Slope Guard type 4 consists of a flexible lightweight three dimensional structure of entangled and heat bonded elements to create a long lasting, environmentally friendly, tough and flexible erosion control mat. It is a non-biodegradable mat intended to assist permanent vegetation growth.

CMS Slope-Guard Type 4

Product	Thickness (mm)	Mass unit area (g /m ²)	Tensile strength @ 20% (kN/m)	Tensile strength @10% (kN/m)
Slope-Guard type 4	18	320	3.0	1.7

Screed Isolation

Regupol[®] E48: High Performance Screed Isolation

A recycled tyre crumb product designed to isolate screeds from the main structure of the building, reducing impact energy generated by general footfall. It is used under all types of floor screeds in most new build constructions including apartments, schools, hospitals, hotels, libraries and supermarkets. It is suitable for use with beam and block and precast concrete plank floors. With airborne sound insulation of 50dB and impact sound insulation of 49dB it outperforms the requirements of Building Regulations Approved Document E (2003). It has a nominal thickness of 8mm with a dimpled underside.

Regupol E48

Code	Roll Size (m)
E48	1.25 x 10



Regupol[®] 6010BA: Heavy Duty Screed Isolation

A recycled tyre crumb product designed for use where high loads are apparent, yet acoustic performance is critical. It has airborne sound insulation of 65dB and impact sound insulation of 43dB giving performance significantly exceeding that of Approved Document E, 2003. Its primary use is to isolate floor screeds in new build constructions which require high levels of sound isolation, such as luxury apartments, schools, hospitals, hotels, libraries and retail units. It can also be used beneath wooden based floors and areas of sensitivity such as gymnasium floors. The product thickness is 17mm nominal (with a dimpled underside) and its load bearing capacity is 5000kg/m² (50kN/m²).

Regupol 6010BA

Code	Roll Size (m)
6010BA	1.25 x 10



Regupol[®] 6010SH: High Load Isolation

A recycled tyre crumb product designed for use where very high loads are apparent, yet acoustic performance is critical. Its acoustic performance (30dB impact sound insulation) exceeds that of the standards quoted in Approved Document E, 2003. It was developed to greatly enhance the impact and airborne acoustic properties of screeds and timber based floors where loads exceed that of standard constructions in both new build constructions and refurbishments. Typical applications include car parks, penthouses, music studios and gymnasium floors. It has 15mm nominal thickness and a maximum load bearing capacity of 10000kg/m² (100kN/m²).

Regupol 6010SH

Code	Roll Size (m)
6010SH	1.25 x 10



Regupol[®] 7210C: Screed Isolation

A cost-effective rubber bound product designed to isolate screeds from the main structure of the building, reducing impact energy generated by general footfall. It is used under all types of floor screeds in new build apartments and is aimed at constructions where Pre-Completion Testing (PCT) is preferred to that of a Robust Detail (RD). It is supplied in sheets 5mm thick and has airborne sound insulation of 49dB and impact insulation of 46dB.

Regupol 7210C

Code	Roll Size (mm)
7210C	1.15 x 2.30



Gabions

Triple twist woven mesh gabions

They are designed on the principle of mass earth retaining wall. The strength and flexibility of the triple twisted mesh helps withstand and absorb the forces generated by retained earth or flowing water. Gabions are rectangular boxes which are formed from panels of 'triple twisted' mesh which are framed by thicker selvedge wires. End panels and internal diaphragms at 1.0m centres are then wired to the base of the gabion. The triple twist weaving of the wire prevents unravelling.

Constructed from wire manufactured to comply with BS1052:1996 and self edged with thicker wire. Wire is galvanised in accordance with BS 443:1990, with minimum thickness complying with the requirements of table 4 of BS 443. Life expectancy of PVC-U coated mesh in dry land retaining walls is considered to be 120 years.

Standard Mesh and Wires Sizes

Standard Mesh size	Mesh Wire (GI Dia.)	Selvedge Wire (GI Dia.)
60 x 80	2.0	2.7
80 x 100	2.2	3.0
100 x 120	2.7	3.4

Gabion Box Sizes

Length (m)	Width (m)	Height (m)
1	0.5 or 1	0.5 or 1
1.5	1	0.5 or 1
2	0.5 or 1	0.5 or 1
3	1	0.5 or 1
4	1	0.5 or 1



Temporary Road and Walkways



Ekomove Temporary Road and Walkways

Made entirely from recycled plastic, Ekomove® products are highly suitable for use as temporary roads on construction sites and for transporting loads over vulnerable ground and benefit from the following features:

- Lightweight.
- Quick and easy handling.
- Easy to clean.
- High wear resistance and doesn't rot.
- Suitable for intensive use.
- Recyclable.

Ekomove® is provided in black with a button structure on one side as standard. On request, the boards can be provided in other colours, with handles, company logo and/or text tape.



Ekomove®

Thickness(mm)	Length (mm)	Width (mm)
15, 18	3000, 4000	500, 750, 1000, 1500