



Reinforcement / Slab Accessories

Concrete Spacers

Plastic Spacers

Wire Chairs

Screed Rails / Screed Chairs

K-Form UPVC Screed Rail System

Crack Inducers / Void Formers / Dowel Bars & Accessories

Bolt Boxes & Cementitious Grouts

Joint Fillers

Re-bar Couplers

Site Protection

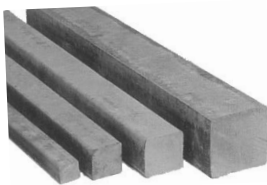
Concrete Spacers



Code / Cover	Per Pack
D 25/30	500
D 30/30	250
D 40/40	200
D 60/75	50
T 20/25/30	500
T 35/40/50	200



Code / Cover	Per Pack
MB 40/50	100



Code / Cover	Pallet
SB/25	600
SB/30	600
SB/40	300
SB/50	250
SB/60	150
SB/75	100

Double / Triple Cover Concrete Spacers

Used for supporting heavy duty reinforcement in both horizontal and vertical applications. The triple cover spacer gives minimum contact with the formwork and can be wired to space vertical reinforcement. The double cover spacers provide a flat base making them ideal for use on membranes.

Mesh Block Spacers

Used for supporting heavy duty fabric and bar reinforcement off soft blindings or membranes. It gives two different covers of 40mm or 50mm.

Square Spacer Bar / Mars Bar

Used for supporting large reinforcement in heavy duty slabs. Suitable for placement on polythene membranes. Supplied in 1 metre lengths

Plastic Spacers



Code / Size	Per Pack
TT 15mm	100m
TT 20mm	100m
TT 25mm	100m
TT 30mm	100m
TT 35mm	60m
TT 40mm	60m
TT 50mm	60m

Continuous Plastic Spacer - Tric Trac

A versatile and stable plastic spacer for the support of reinforcement in horizontal and vertical applications. Easily and quickly positioned with no wiring required. Ideal for use on hollow ribbed decks. Can be used upside down to lay flat on membranes. Can be easily cut or sawn to your required length. Supplied packs of 2.5m lengths.



Code / Size	Per Pack
GP 25/30mm	250
GP 40/50mm	200
GP 65/75mm	200
GP 90/100mm	100

Grade Plate spacer / Meshfix Spacer / Top hat Spacer

Used for supporting 6-20mm reinforcement in ground floor slabs. The large base helps stability and prevents puncturing of polythene membranes or insulation materials. Each spacer has dual cover.



Code / Size	Per Pack
PWS 15/4 - 10	1000
PWS 20/4 - 12	2000
PWS 20/10 - 14	1000
PWS 20/12 - 20	250
PWS 25/4 - 12	1000
PWS 25/10 - 14	1000
PWS 25/12 - 20	250
PWS 30/4 - 12	250

Plastic Wheel Spacer

Ideal for use with vertical reinforcement, this spacer simply clips in place onto the bar. Its design provides minimum contact with the formwork.

Code / Size	Per Pack
PWS 30/12 - 20	125
PWS 35/4 - 12	200
PWS 35/12 - 20	500
PWS 40/4 - 12	125
PWS 40/12 - 20	250

Code / Size	Per Pack
PWS 50/4 - 12	250
PWS 50/12 - 20	250
PWS 60/12 - 20	250
PWS 70/12 - 60	250
PWS 100/4 - 18	50

Plastic Spacers

Plastic Clip on A Spacer

Ideal for use with both horizontal & vertical reinforcement, this spacer simply clips in place onto the bar. Its design provides minimum contact with the formwork.

Code / Size	Per Pack
A 15/4 - 16	2000
A 20/4 - 16	1000
A 25/4 - 16	1000

Code / Size	Per Pack
A 30/4 - 16	1000
A 35/4 - 16	1000
A 40/4 - 16	500
A 50/4 - 16	500
A 65/4 - 16	500
A 75/4 - 16	500



Wire Spacers

Continuous Wire Deck Chairs - Heavy Duty Wire Deck Chairs

Used for supporting top reinforcement or bottom Fabric in concrete slabs. Can also be used as dowel bar supports. Up to 400mm available.

Code/Height	Per Pack
DK 50mm	25no. X 2m
DK 60mm	25no. X 2m
DK 75mm	25no. X 2m
DK 90mm	25no. X 2m
DK 105mm	25no. X 2m
DK 120mm	25no. X 2m
DK 135mm	25no. X 2m

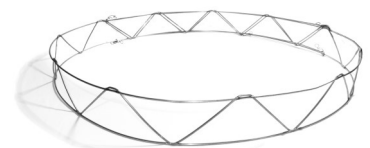
Code/Height	Per Pack
DK 150mm	25no. X 2m
DK 165mm	25no. X 2m
DK 180mm	25no. X 2m
DK 200mm	25no. X 2m
DK 220mm	20no. X 2m
DK 230mm	20no. X 2m
DK 250mm	20no. X 2m
DK 270mm	20no. X 2m
DK 280mm	20no. X 2m
DK 300mm	20no. X 2m



Wire Hoop Spacers

A circular spacer for supporting mesh reinforcement in slabs. Supplied in 3m lengths which are then bent and tied on site to form a 1m hoop. Typical 3-4 hoops are used per sheet of mesh.

Code/Cover	Per Pack
WH 50mm	100no.
WH 60mm	100no.
WH 75mm	100no.
WH 80mm	100no.
WH 105mm	100no.
WH 120mm	100no.
WH 135mm	100no.
WH 150mm	100no.
WH 165mm	100no.
WH 180mm	100no.
WH 200mm	100no.



Tying Wire

Standard grade 17 gauge black soft annealed wire for tying of reinforcement. Recognised as a premier grade wire.

Stainless Steel 18 gauge wire for tying of reinforcement. Supplied in catch weight coils and charged per kg

Pack Size
Coil - Standard
Per KG-Stainless



Screed Rails



Code/Height	Per Pack
CSR 50mm	3.9m
CSR 80mm	3.9m
CSR 100mm	3.9m
CSR 125mm	3.9m
CSR 150mm	3.9m

Flat Top Concrete Screed Rails

A very sturdy rail developed to improve and speed the laying of concrete floor slabs by allowing continuous pouring of adjacent bays the same day. A single line of support holes at 300 centres is incorporated for mesh slabs. Rails are laid on soft lean concrete, which is heaped up distances of 800-1000mm apart. Rails can be cut.



Code/Height	Per Pack
MSR 65mm	3.9m
MSR 90mm	3.9m
MSR 115mm	3.9m
MSR 140mm	3.9m
MSR 165mm	3.9m

Metal Top Concrete Screed Rails

Developed to help achieve a superflat surface, this design with its metal top profile provides a fully controlled hairline crack. A single line of support holes at 300 centres is incorporated for mesh slabs. Rails are laid on soft lean concrete, which is heaped up distances of 800-1000mm apart. The rail is then levelled.



Code/Height	Per Pack
MCSR 27mm	2m
MCSR 55mm	3m
MCSR 75mm	3m
MCSR 100mm	3m
MCSR 120mm	3m
MCSR 145mm	3m

Metal Concrete Screed Rails

A lightweight and easy to handle rail which needs minimal storage. Very robust, will not damage in transport and is galvanised to prevent rusting. Rail is supplied complete with steel holder for fixing and plastic clips to fix the end together. A single line of support holes at 300 centres is incorporated for mesh slabs. Length:- 3.0m

Screed Chairs



Type/Depth	Per Pack
Type 1 / 120-155	50no.
Type 2 / 145-205	50no.
Type 3 / 195-305	50no.
Type 4 / 295-405	50no.

Standard Metal Screed Chairs

A stable two part adjustable metal screed chair for concrete floor slabs from 120 – 405mm thick. 4 Sizes available.



Type/Depth	Per Pack
HD50 / >500mm	Each

Heavy Duty Metal Screed Chairs

A heavy duty reusable screed chair. Built from 16mm steel bar, to take on site punishment. It is fully adjustable for slab heights up to 500mm and once the height has been set, the twin locking nut ensures it stays set.



Component	Per Pack
Base	250no.
Collar	250no.
Saddle	250no.
Shaft	100m

Plastic Screed Chairs

Lightweight corrosion free screed chair, comes as four unassembled components. Suitable for use with timber rails or scaffold tubes for slabs 150-350mm in height. Shafts are cut on site from standard 22/26 spacer tube. Recommended spacing of 50cm will give a stable support.

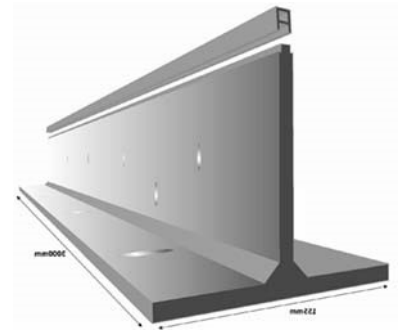
K-Form - UPVC Screed Rail System

K-FORM—UPVC Screed Rail System

K-FORM UPVC Screed Railing provides the construction industry with an economical, efficient and environmentally friendly alternative to steel shuttering.

Made from recycled materials, K-FORM is lightweight, durable and does not require removal after concrete pouring. It is easily cut to length on site and has pre-drilled holes in the vertical face for locating steel dowels bars and in the base for mortar anchoring. Furthermore, K-FORM's patented design features a built in expansion joint, end clips for joining and a removable top strip for joint sealing.

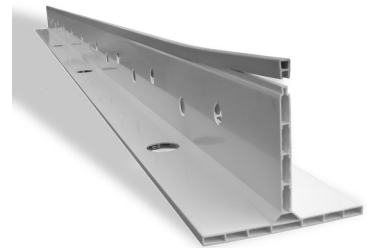
Designed to be used with twin beams, bunyan rollers or vibro strikes, K-FORM's K135 K85 and K35 disposable railing replaces steel forms where joints are needed.



ADVANTAGES

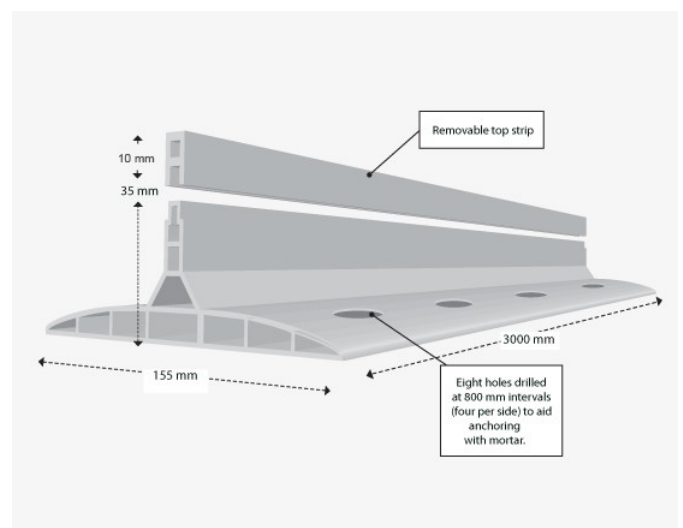
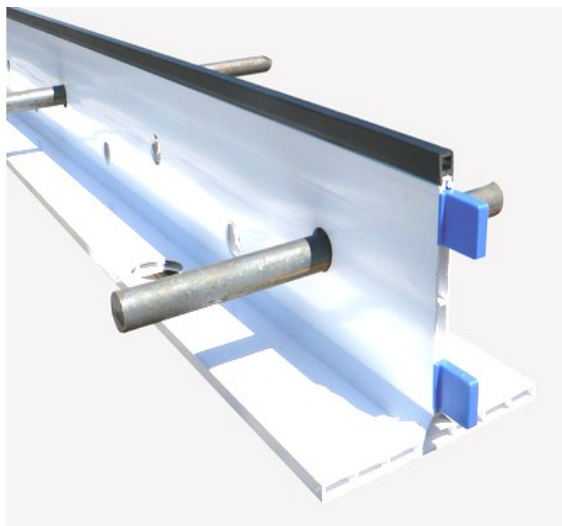
- Saves time and money
- Simple to use; the "click together" assembly means no specialist tools are required
- Lightweight; one person can install therefore reducing labour time and costs
- No removal or cleaning is required after use
- Increased pouring time means projects can be completed quicker
- Made from recycled materials
- Fuel and oil resistant
- Will not rot or rust
- Pre-drilled holes for dowel bars
- Manufactured from durable UPVC – non-metallic and non-conductive
- Integral expansion joint
- No anchoring with metal stakes
- Removable top strip
- Easy to seal concrete sections
- No diamond cutting
- No puncturing of DPM

Size
K35mm x 155m x 30000mm
K85mm x 155m x 30000mm
K135mm x 155m x 30000mm



FEATURES

- Designed for a pour of 100mm to 225mm thick concrete
- Enables adjoining bays to be poured consecutively
- Pre-drilled holes in base for anchoring with mortar
- Pre-drilled holes in vertical face for locating dowel bars
- Once concrete is poured, K-FORM is left in place; there is no need to remove and clean
- Separate wear strip can be removed once concrete is set to allow joint sealing



Crack Inducers



Type	Depth
Two Part	50mm
Two Part	75mm
'Y' Type Base	40mm
'Y' Type Base	75mm
T Bar	50mm
T Bar	75mm

Crack Inducers

Two part top crack Inducers to form stress relief joints in concrete slabs laid using the long strip system of paving. Designed for use where the top section is removed to expose a sealant void which can be sealed with a suitable sealant
Length : 5m, width at surface 10mm & 13mm

'Y' type base crack inducers are for use under concrete slabs in conjunction with top crack inducers to form stress relief joints in slabs over 300mm thick.

Length : 5m, width at base 60mm & 80mm

Aluminium T-Bar Used to form a straight groove in wet concrete prior to insertion of top crack inducers. Length : 5m

Void Formers



Size	Per Pack
20mm Full	10 x 3m
20mm Half	20 x 3m
25mm Full	10 x 3m
25mm Half	20 x 3m

Void Formers

A reusable PVC void former which can be placed on top of Bituflex sheets at expansion joints to form a void for sealants. Half section is generally used on the first pour and then the full section is used on the second pour.

Dowel Bars & accessories



Dowels Bars

We supply dowel bars in all the common sizes, in both mild steel, HT Steel in plain and ribbed finish, with either sawn or cut ends. We can also supply dowels in stainless steel grades in both ribbed and plain finishes.

Direct Chemicals offer the complete dowel bar package. *Call our technical sales team today on 0118 9892666 for a quotation.*



Size (mm)	Per Pack
12 x 450	100no.
16 x 300	100no.
16 x 450	100no.
20 x 300	100no.
25 x 300	100no.
32 x 375	92no.

Dowel Bar Sleeves

Manufactured from a high grade flexible PVC, and used to form a positive debonded dowelled joint. It overcomes the problems associated with paint on compounds, tapes, greases, etc. Foam compression plug to accommodate joint movement in expansion joints is supplied separately.



Size (mm)	Per Pack
12 x 100	100no.
16 x 100	100no.
20 x 100	100no.
25 x 100	100no.
32 x 100	50no.

Dowel Bar Expansion Caps

Manufactured from a rigid length of tube with a 25mm compressible filler in one end. When put over the sleeved dowel bar it allows movement to occur in expansion joints. It overcomes the problems associated with paint on compounds, tapes, greases, etc.



Size	Per Pack
5ltr	4no.
25ltr	1no.

Dowel Bar Paint / De-bonding Paint

For the de-bonding of dowel bars in road construction joints and floor sections. The material conforms in performance to D.O.T Specification for Road and Bridge works, clause 2605. Coverage : 1.8-3.6 m²/ ltr

Bolt Boxes & Cementitious Grouts

Bolt Boxes – Waxed Cardboard

Manufactured from waxed cardboard they allow easy bolt location and adjustment with minimum displacement of reinforcement and concrete. To allow stripping and re-use, 25mm of the cone should be left protruding and rotated before the concrete has completely set.

Approximate No. of cones per 25kg bag of grout, using M20 Bolt						
WCB1	WCB2	WCB3	WCB4	WCB5	WCB6	WCB7
36	16	9	6	5	3.5	3

Bolt Boxes – Polystyrene

Manufactured from expanded polystyrene they allow easy bolt location and adjustment with minimum displacement of reinforcement and concrete.

Approximate No. of cones per 25kg bag of grout, using M20 Bolt						
PB1	PB2	PB3	PB4	PB5	PB6	PB7
19	14	11	9	8	7	5

Holding Down Bolts

A range of holding down bolts is available in Grade 8.8 Steel. Price includes nut, washer, and a 100mm x 100mm x 10mm plate. Other sizes available to order

Norsekem Poly-dissolve & Poly-dissolve “Safe”

An emulsifiable solvent based product designed to dissolve polystyrene box outs, void formers, bolt boxes etc.

Has the ability to dissolve up to 10 times its own volume, depending on application and polystyrene density. Poly-dissolve “Safe” is a less hazardous formulation with a pleasant slight citrus smell.

Heavy Duty Plastic Levelling Shims

For non structural, temporary support and alignment of pre-cast panels, components, bases etc prior to grouting or packing. Two types are available, square and horseshoe both have overall dimensions of 70mm x 70mm. A range of sizes allow various heights to be achieved.

The Bolt Cracker

The Bolt Cracker is an innovative new invention designed to maximize holding down bolt movement. Guaranteed full movement inside the cone.

No damage to bolt head or thread during stripping stage.

Denso Tape / Petrolatum Tape

For protection of bolt heads prior to concrete pours.

Code	length
WCB1	229mm
WCB2	305mm
WCB3	380mm
WCB4	457mm
WCB5	534mm
WCB6	610mm
WCB7	762mm

Code	length
PB1	225mm
PB2	300mm
PB3	375mm
PB4	450mm
PB5	525mm
PB6	600mm
PB7	762mm

Code	length
HDB16/30	M16 x 300
HDB16/45	M16 x 450
HDB20/30	M20 X 300
HDB20/37	M20 X 375
HDB20/45	M20 X 450
HDB24/37	M24 X 375
HDB24/45	M24 X 450

Product	Size
Poly-dissolve	25ltr
Poly-dissolve Safe	5ltr
Poly-dissolve Safe	25ltr

Size	No. Per Pack
2mm	250
3mm	250
5mm	250
7mm	125
9mm	125
10mm	125
20mm	50

Code/Bolt dia	No. Per Pack
BC20 - 20mm dia	100
BC24 - 24mm dia	100

Size	No. Per Pack
50mm x 10mtr	24
75mm x 10mtr	16



Bolt Boxes & Cementitious Grouts



Pack Size

20kg

Pozament High Flow Construction Grout Easi-Flow GA

High Flow Construction Grout has been specifically designed to provide a high strength fluid grout for pouring into and under stanchion plates, machine base plates, parapet rails, for supporting bridge bearings and for filling ducts in post tensioned and pre-stressed structures. Suitable for gap sizes 10 - 100mm
Yield: 12.2 ltrs

Pack Size

25kg

Parex CS Grout

A high strength, non shrink, flowable grout which is chloride free. Low water absorption with good freeze-thaw stability plus resistance to oil, sea water and mild alkali attack. Parex CS Grout has certified compliance with **DTP** Specification for Highways Works Clause 2601. Suitable for gap sizes 10 - 100mm
Yield: 13.25 ltrs



Pack Size

25kg

Fosroc Conbextra GP

General purpose, non-shrink cementitious grouting of gap thicknesses 10 to 75 mm. Recommended applications at flowable consistency include stanchion base plates, bolt pockets and void filling.
Yield: 13.25 ltrs

Pack Size

25kg

Fosroc Conbextra HF

Supplied as a ready to use dry powder. The addition of a controlled amount of clean water produces a free-flowing grout for gap thicknesses up to 100 mm. In addition the low water requirement ensures high early strength and long-term durability.
Yield: 13.25 ltrs



Pack Size

25kg

Weber Five Star Grout

High strength, high flow grout for use under machine base plates, void filling, underpinning and crash barriers. Can be pump, poured, trowelled or dry-packed. Suitable for gap sizes 10 - 100mm
Yield: 14 ltrs

Pack Size

25kg

Parex 100 Newton Grout

An ultra high strength, non shrink grout specially formulated using a Portland cement powder mix. Powerful plasticising agents produce a highly flowing grout at low water content. Chloride free and meets **DTP** Specification for Highways Works Clause 2601 and CRD C621. Suitable for gap sizes 10 - 100mm
Yield: 13ltr



Pack Size

25kg

Parex Dry Pack C

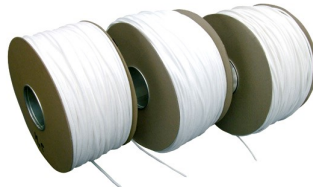
Portland Cement based powder mix including special shrinkage compensating components. The mixed mortar can be rammed into gaps between concrete units, without the use of shuttering, to create a supporting fill. The shrinkage compensating additives ensure that the placed mortar maintains contact within the filled section. Can placed in horizontal and vertical gaps of 5mm-100mm
Yield: 11.5 ltrs

Joint Fillerboard, Cords & Strips

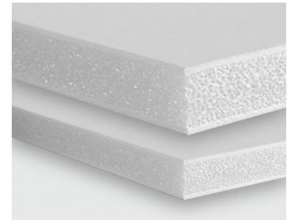
Miothene / Expandafoam / Aerofil 1 - Sheet / Strip / Cord*

A high performance expansion joint filler made from closed cell expanded polyethylene foam. Available in sheet or cut strips with tear off to form sealant void. It is robust, non-absorbent with excellent recoverability, low load transfer, non extruding and resistant to most acids and alkalis. *Sheet Sizes may differ on manufacture
We are able to supply any thickness required by fabrication.

Cord Dia	Length / Box
10mm	1150m
12mm	750m
15mm	350m
20mm	200m
25mm	200m
30mm	160m
40mm	270m
50mm	180m



Thickness	Sheet Size
10mm	2 x 1.2m
12mm	2 x 1.2m
20mm	2 x 1.2m
25mm	2 x 1.2m
30mm	2 x 1.2m



Thickness	Strip Size
10,12,15,20,25mm	100mm x 10m
10,12,15,20,25mm	150mm x 10m
10,12,15,20,25mm	175mm x 10m
10,12,15,20,25mm	200mm x 10m
10,12,15,20,25mm	250mm x 2m
10,12,15,20,25mm	300mm x 2m



Miothene 70 / Aerofil 2 / Hydrocell / Polyjoint 60 *

High density, high performance non absorbent, rot proof, closed cell cross linked polyethylene foam joint filler. Supplied in sheets or cut strips as required. Recommended for use in Water Retaining structures, floor slabs, bridge joints and road expansion joints. Resistant to attack by most acids and alkalis. Complies with DOT Specification for Highway Works Part 3: Clause 1015:91.
*Sheet Sizes may differ on manufacture

Thickness	Sheet Size
10mm	2 x 1m
15mm	2 x 1m
20mm	2 x 1m
25mm	2 x 1m
30mm	2 x 1m
50mm	2 x 1m



Bitumen Impregnated Fibreboard / Flexcell

A low cost, water resistant, bitumen impregnated wood fibre filler board. Minimum 20% bitumen content. Has excellent compression and recovery properties. General purpose joint filler for non-critical joints in concrete slabs and brick wall construction.

Strip and Sheet Thickness : 12mm, 20mm, 25mm.Strip Size : All strips are 2.4m long

Thickness	Sheet Size
12mm	2.22 x 1.22m
20mm	2.22 x 1.22m
25mm	2.22 x 1.22m



Other sizes are available to order

Bitumen Bonded Corkboard /Korkpak

A waterproof and durable filler board for critical joints in water retaining, civil engineering and structural expansion joints. Designed to compress and recover without extrusion under most loads encountered during construction. Consists of granulated cork, premixed and securely bonded together with a hot bituminous mixture between two sheets of heavily asphalt saturated paper. Supplied in sheets. Complies with DOT Specification for Highway Works Part 3: Clause 1015:91.

Thickness	Sheet Size
10mm	2.13 x .914m
12mm	2.13 x .914m
19mm	2.13 x .914m
25mm	2.13 x .914m



Neoprene Strip

Sponge and rubber grades available. Because of its excellent recovery it is frequently used on bridge structures and also structures that undergo rapid temperature variations.

Thickness	Size
5mm	Various
10mm	Various
15mm	Various



Re-bar Couplers



Terwa Alligator Splice off Couplers

The ALC Alligator Couplers are used for splicing any grade or profile of reinforcing bar. These couplers are made for reinforcement steel with diameters in the range of 10mm to 40mm. Connection is made by inserting bars into both ends of the coupler. The breaking bolts are then screwed by hand and tightened by ratchet wrench until bolts shear off. These couplers can be used in particular cases to replace the damaged reinforcements with new ones and to connect to the old structure.

Advantages:

- (1) No need for threading or any other bar preparation.
- (2) These are fast, simple, easy to use.
- (3) No special skilled labour required.
- (4) No welded components.
- (5) Performs as a continuous piece of rebar.
- (6) Allows for easy visually inspection.

Product Code	Bar Dia. (mm)	No. of Bolts	Bolt Thread	L (mm)	d (mm)	d1 (mm)	H (mm)	H1 (mm)	H2 (mm)	h (mm)	h1 (mm)	h2 (mm)	SW (mm)	Torque Bolts (Nm)
ALC10	10	6	M12	160	35	33	48	35	13	36	23	13	13	90 - 99
ALC12	12	6	M12	180	35	33	51	35	16	40	24	16	13	90 - 99
ALC14	14	8	M12	230	40	36	57	39	18	45	27	18	13	90 - 99
ALC16	16	8	M12	230	40	36	57	39	18	45	27	18	13	90 - 99
ALC18	18	10	M12	260	44	42	60	40	20	49	29	20	13	90 - 99
ALC20	20	10	M12	280	47	44	65	44	21	54	33	21	13	90 - 99
ALC22	22	10	M16	330	53	50	68	42	26	58	32	26	17	175 - 192
ALC25	25	12	M16	390	56	52	75	45	30	63	33	30	17	175 - 192
ALC28	28	12	M20	420	66	62	90	60	30	75	45	30	22	355 - 405
ALC32	32	14	M20	480	73	68	91	60	31	77	46	31	22	355 - 405
ALC36	36	16	M20	540	79	73	99	64	35	85	50	35	22	355 - 405
ALC40	40	18	M20	580	79	73	103	67	36	85	49	36	22	355 - 405

Site Protection



Thickness	Size
1000 gauge	25m x 4m
1500 gauge	25m x 4m
2000 gauge	12.5m x 4m



Thickness	Size
7mm	75m x 1.5m



Thickness	Size
3mm	2m x 1m

Thickness	Size
3mm	2m x 1m

Polythene for Damp Proof Membranes

Supplied in four metre wide rolls (folded) for use as a damp proof membrane. Can be supplied to various Building Standards, e.g. PIFA or BBA.

Frost Insulation Blankets

Made of Closed Cell expanded Polyethylene Foam, with good thermal insulation properties, very low water absorption. Protects freshly poured concrete from the effects of freezing in winter or heat in summer.

Protection Board

Temporary Protection Board

Corrugated polypropylene sheet board. Ideal for use on new and refurbishment contacts. Lightweight and easy cut makes them the ideal board for temporary works.

Bitumen Protection Board

Ideal where the board is buried and for back filing onto. Rot-proof, robust board. Puncture resistant to reinforcement. Much stronger than temporary boards.