

INTRODUCTION

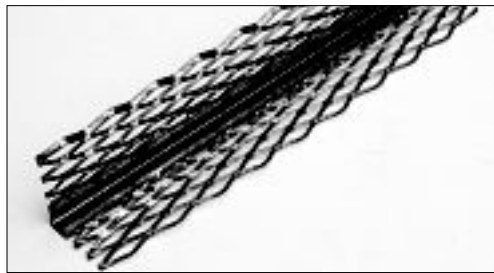
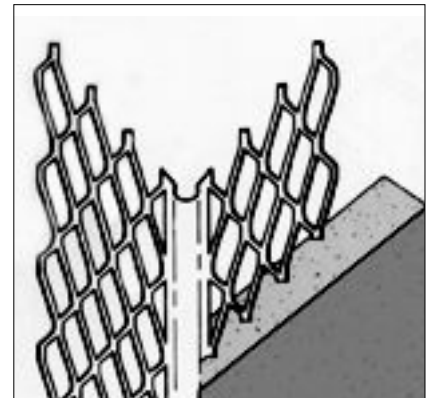
Specific building products are made by Mentis for the building industry on special purpose machines. These products are mainly used as reinforcing to prevent plaster and walls cracking. Corners of a building are strengthened preventing damage where it is most vulnerable.



MENTIS ANGLE BEAD

Provides a true straight-edge for forming an arris in plasterwork which resists chipping or cracking. Protects and reinforces the plaster where it is most vulnerable. The expanded metal wings anchor securely in the full depth of plaster on either side of the arris. Essential on plastered columns, the corners of which are particularly liable to damage both during and after building operations. Angle bead is supplied in 3 meter lengths and is manufactured from 0,5mm thick galvanized steel strip. Available ex stock.

- ❖ Packing: 50 pieces per carton
- ❖ Mass: 0,7kg per each.



MENTEX EXPANDED 10mm RIBLATH

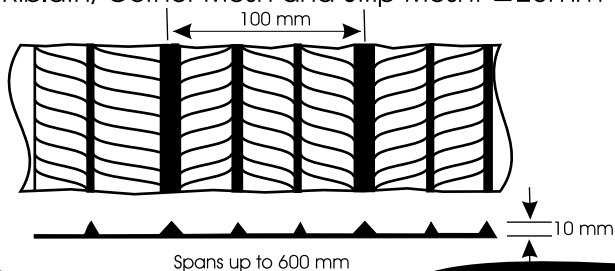
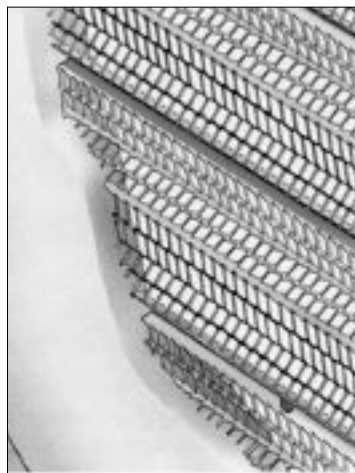
Plaster base for walls and ceilings, permanent shuttering for concrete, mechanical retention for fire protection plasters and splays. Straight, heavy, longitudinal ribs and bead stiffening give Mentex Riblath a tremendous high strength to mass ratio. Highly flexible for a variety of applications, yet rigid enough for others. Riblath has been for many years an approved and preferred plaster base and concrete shuttering material for suspended ceilings

Specifications:

- ❖ 0,5mm thick galvanized steel.
- ❖ Size of sheet: 600 x 2500mm.
- ❖ Mass per sheet: 2,48kg.
- ❖ Packing: 20 sheets per bundle.

Tolerances:

- ❖ On lengths of Angle Bead, Plaster Stop, Riblath, Corner Mesh and Strip Mesh: ± 25 mm





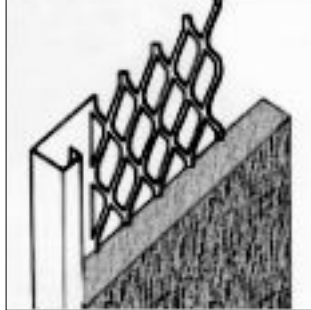
MENTIS PLASTER STOP

(1 mm thick) Provides a straight-edge and finish for plaster at all openings and abutments. Protects and reinforces the plaster and gives a neat finish.

Mentex plaster stop is recommended wherever a plastered wall finishes against tiles, face bricks, skirtings, exposed steelwork, and all woodwork. Available ex stock to suit 12,5 mm plaster thickness.

Plaster stop is supplied in 3 metre lengths and is manufactured from 0,5mm thick galvanized steel strip.

- ❖ Packing: 50 pieces per carton
- ❖ Mass: 0,7kg per each.



MENTLATH 213:

Expanded metal lathing, Ref. 213 is used to provide a key for plaster and as a reinforcement to minimize cracking.

Mentlath 213 is used extensively for a key where gunnite is applied, and is the most accepted means of keying plaster or vermiculite to steelwork when fire proofing a steel building.

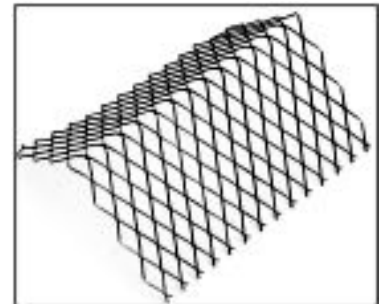
Specifications:

- ❖ Approx. size of diamond: 10mm x 30mm
- ❖ Width of strand: 1,0 mm
- ❖ Thickness of strand: 0,5 mm
- ❖ Mass per sq. metre: 0,4kg
- ❖ Sizes available: 600 mm LWM x 30 metre coils
- ❖ 600 mm LWM x 2500 mm SWM sheets



MENTEX CORNER MESH:

(1 mm thick) General purpose reinforcement strips used in plaster where cracking is likely to occur. Corner mesh Ref. 210 reinforces plaster at internal angles and will reduce the likelihood of cracking due to shrinkage. Nominal angle size = 75 x 75 x 30m coils. Corner mesh is galvanized to prevent corrosion.



MENTEX STRIP MESH 210:

(1 mm thick) Strip mesh Ref. 210 is used along lines of potential weakness such as at the corners of doors and window frames and as a backing for plaster over narrow gaps such as service chases.

Strip mesh is used as a plaster reinforcing to prevent cracking around airbricks, window frames, vents, door arches, electrical conduits, water pipes, and is extensively used to provide a bond between dissimilar materials at crack prone areas.

Nominal strip widths are 75mm & 150mm x 30m coils.

600mm x 2500 coils and sheets.

Supplied in lengths of 2500mm,
Galvanized to prevent corrosion





BRICKFORCE:

Reinforced brickwork is preferable to unreinforced in all types of building because steel reinforcement adds tensile strength to the inherent compressive strength of this traditional construction method.

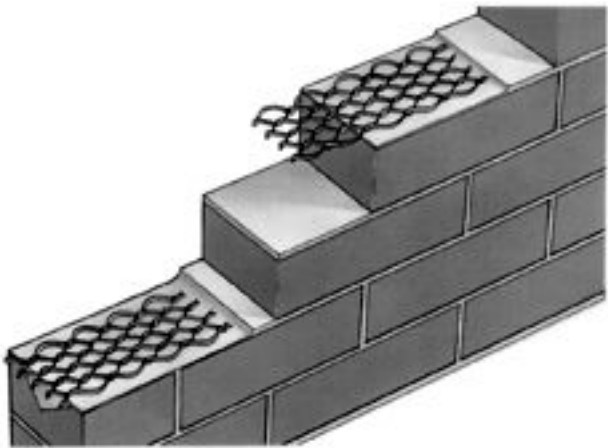
Brickforce 210 reinforcement greatly reduces the detrimental effects of vibration and changes of temperature. Moreover, considerable savings may be made in cost of material and labour, and in space and deadweight.

Brickforce should be used in every third course of bricks,

and where the strips are joined at the ends, an overlap of not less than 80 mm should be provided.

Reasons why you should select Brickforce for reinforcing brickwork:

- ❖ Brickforce is a length of expanded steel mesh with continuity of steel fibre throughout.
- ❖ Brickforce has no joints, welds or interweaving to fail under stress.
- ❖ Once mortared into brickwork the diamond-shaped meshes are anchored immovably so that the reinforcement cannot slip under tension.
- ❖ Brickforce is time tested - it has been reinforcing brickwork for more than half a century.
- ❖ Brickforce is the only brickwork reinforcement to give such a unique combination of all these advantages.



Embedded in the normal thickness of brickwork joint, brickforce gives brickwork increased resistance to tensional stresses - important for buildings erected on reclaimed ground or on other ground in which settlement may occur. Equally suitable as a reinforcement for concrete block work, partition slabs, asphalt guttering and in other work. Brickforce is galvanized to prevent corrosion.

Available ex stock in coils of 30 metre and widths of 75mm for single width brickwork, and 150mm for double width brickwork.

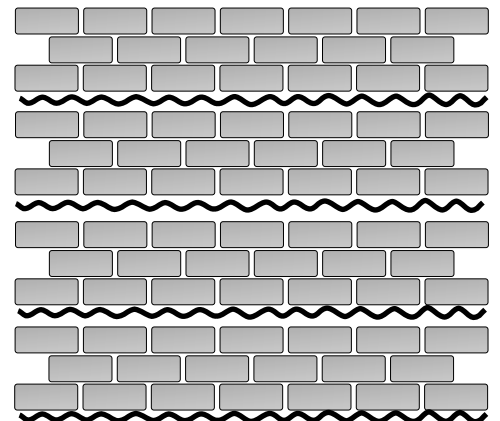
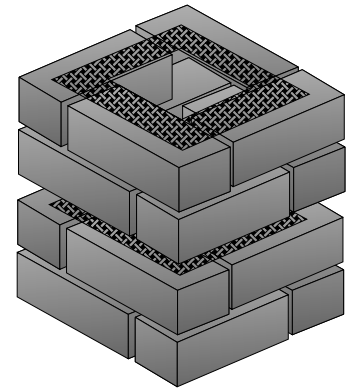
Coils of 600mm wide are available to order for multi-width brickwork,

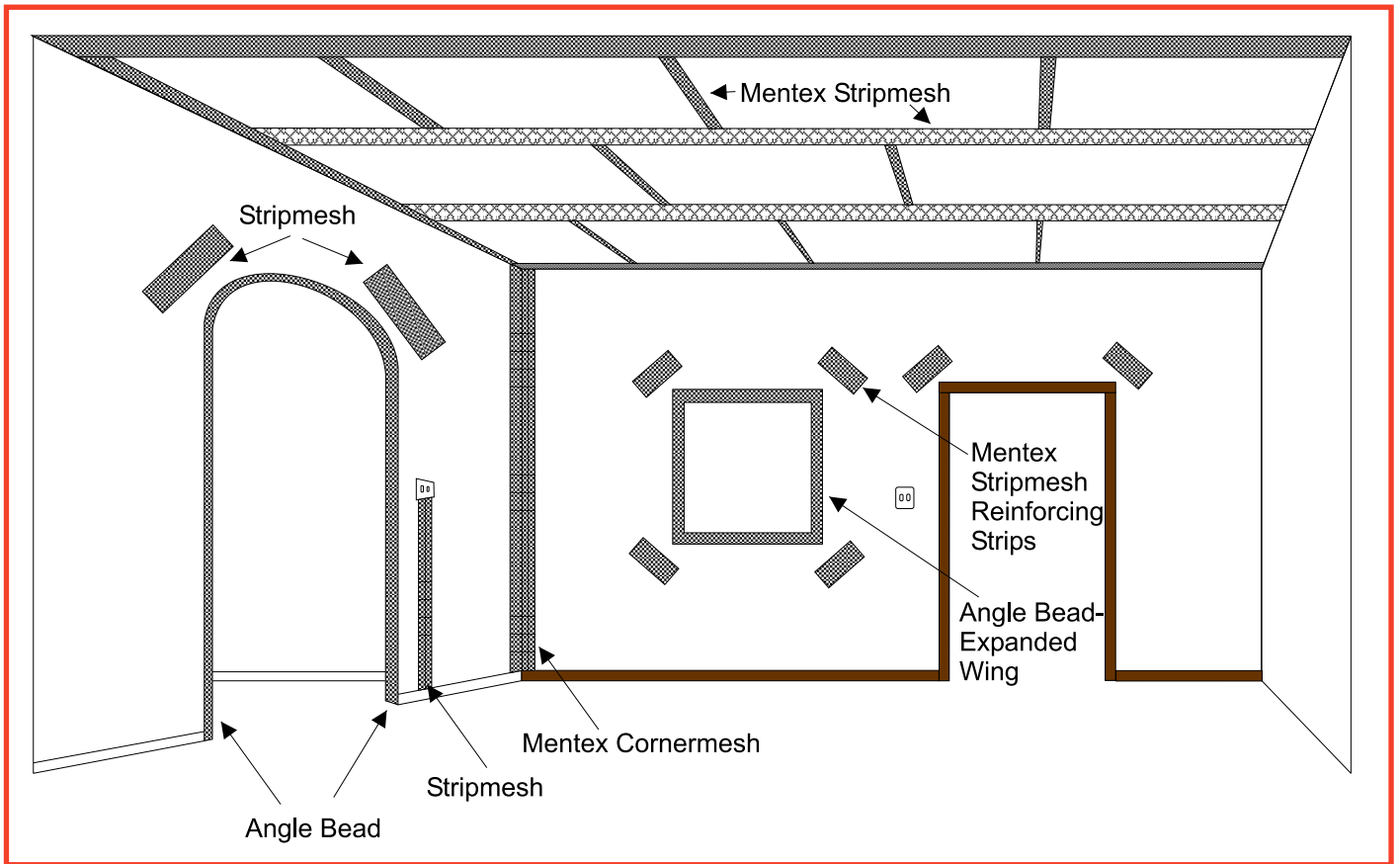
SOLID AND HOLLOW WALL:

Normally the brickwork alone is sufficient strength but in circumstances where greater strength is required to allow for uneven settlement and movement in buildings, it is desirable to use brickforce reinforcement in the joints. Brickforce not only assists in distributing the loads evenly but reduces the possibility of cracking so common in these conditions.

Specifications:

- ❖ Approx. size of diamond 10mm x 30mm
- ❖ Width of strand: 1,0mm
- ❖ Material thickness of strand: 1,0mm
- ❖ Mass per sq. metre 0,76kg.
- ❖ Widths (longway of mesh) available 75mm, 150mm and 600mm
- ❖ Maximum lengths (shortway of mesh) 30 metre coils





MENTEX 99 (HAILGUARDS):

Mentex 99 is the most suitable mesh for using as hailguards to prevent gutters from filling up with dirt, leaves, and especially hail.

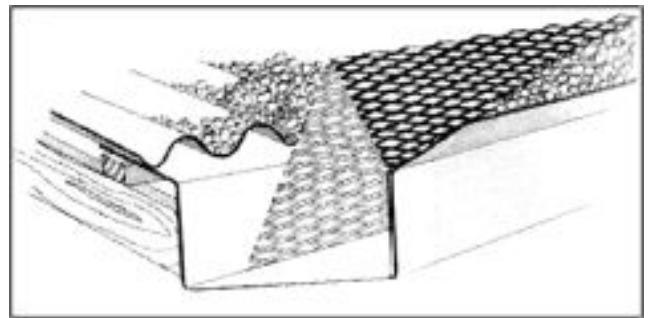
Supplied in standard lengths of 2400mm and widths to suit any gutter size, in flat sheets. Supplied unpainted, or manufactured from Pre-galvanized steel.

Approx. size of diamond: 13mm x 38mm

Width of strand: 2,5mm

Thickness of strand: 1,6mm

Stock size sheets: 1200mm x 2400mm





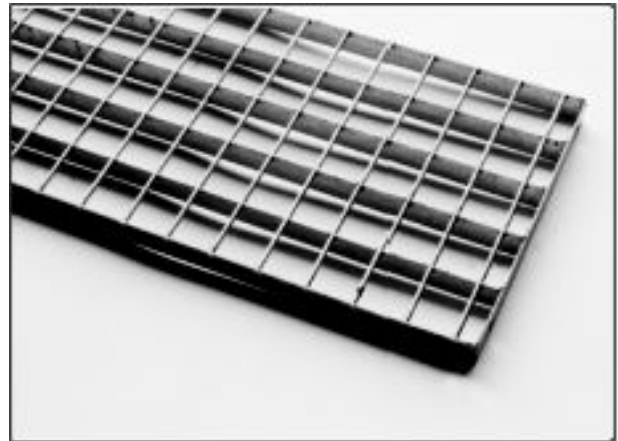
SCAFFOLD PLANKS

CONSTRUCTION

Manufactured from E60 GRIPWELD with bearer bars of 40 x 3.0 mm at 80mm pitch and transverse bars at 60 mm pitch.

FEATURES

- ❖ GRIPWELD SCAFFOLD PLANKS are exceptionally strong and durable. Due to their construction, mortar and rubble do not accumulate on the surface thus providing an excellent non-slip surface from which water drains easily.
- ❖ PLANKS can be joined at the ends by means of 12 mm bolts. This obviates dangerous overlapping of planks and prevents dislodging thus providing a high safety factor particularly on ramps.
- ❖ They are constructed of steel so they cannot burn or splinter.
- ❖ Size = 3050 x 400 mm Uncoated Mass = 22kg



SAFE LOADS

- ❖ The safe load for a GRIPWELD SCAFFOLD PLANK, with a 3 meter span, is 180kg evenly distributed and 90kg concentrated at mid - span.

FINISHES

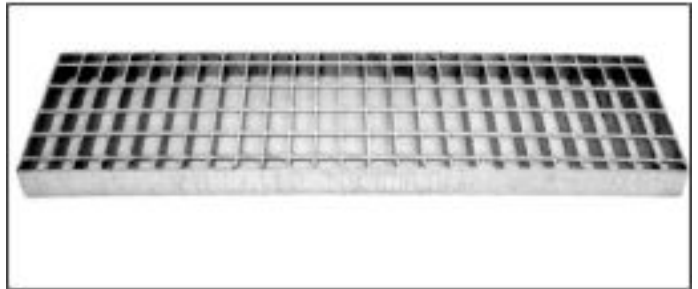
- ❖ Scaffold planks can be supplied in mild steel with unpainted, painted or galvanized finishes.

STORMWATER GRATINGS AND FRAMES

CONSTRUCTION

Manufactured from B60 GRIPWELD - fusion welded grating with a bearer bar pitch of 40 mm and a transverse bar pitch of 60 mm. The bearer bar size is 50 x 4.5 mm. All stormwater gratings are fully banded and can support various concentrated loads.(See loading tables on page 6) Angle frames of size 50 x 50 x 5 mm can be supplied if required.

These gratings are suitable for water drainage in many applications eg, Roads, pavements, highways, gutters, factories etc.



MATERIALS AND FINISHES AVAILABLE

MATERIAL	FINISH
MILD STEEL	Uncoated, bitumen dipped or galvanized. Other paint specifications on application.
STAINLESS STEEL TYPES 304 AND 316	Uncoated, pickled and passivated.
3CR12	Uncoated, pickled and passivated.

STANDARD SIZES

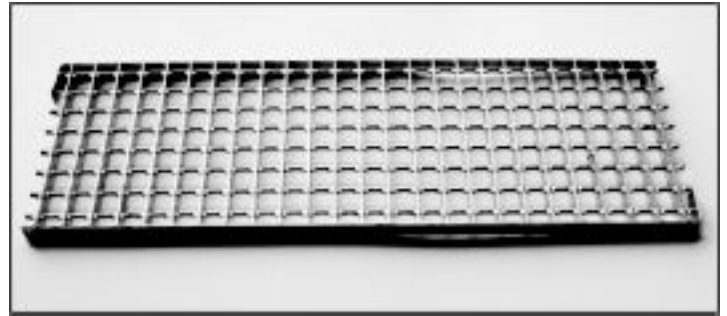
SIZE MM	UNCOATED MASS KG
300 X 500	8
300 X 1000	16
500 X 500	14



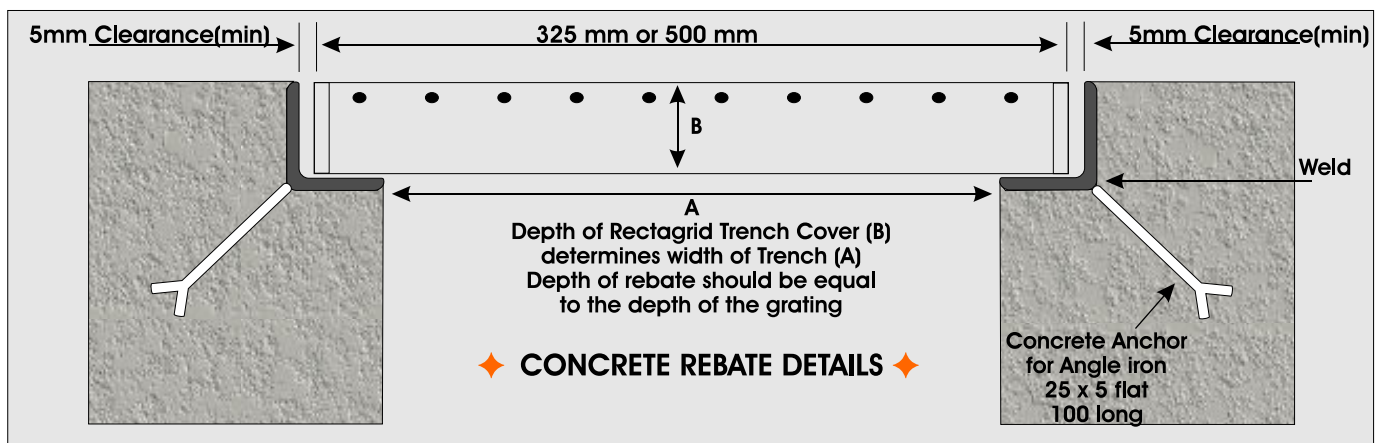
TRENCH COVERS(Rectagrid)

An **ex stock** range of Rectagrid trench covers is always available. The individual elements are 1 000mm wide and are banded along the span only, having openings of 35 mm square. Any length of trench can be covered by using several of these elements. The trench gratings are easy to remove when cleaning out the trench, and these excellent gratings can support the heaviest of rubber-tyred vehicles.

- ◆ **HEAVY DUTY.**
- ◆ **LOW CORROSION FACTOR.**
- ◆ **AESTHETIC APPEARANCE.**
- ◆ **EASE OF INSTALLATION (either direction)**
- ◆ **HIGHEST LOAD BEARING CAPABILITY.**
- ◆ **ECONOMICAL.**



STANDARD MENTIS 'Rectagrid' TRENCH COVERS Type RS40



METRIC DESIGNATION	BEARER BAR SIZE	GRATING TRENCH COVER STANDARD SIZES	TYRED-WHEEL LOAD	UNIFORMLY DISTRIBUTED LOAD	CONCENTRATED LOAD	MASS EACH (Painted)
*40/40/25/4,5P (M/S)	25 X 4,5	325 X 1 000	850 kg	16 000 kg	2 800 kg	10,6 kg
*40/40/30/4,5P (M/S)	30 X 4,5	325 X 1 000	1 200 kg	19 000 kg	3 600 kg	12,9 kg
*40/40/40/4,5P (M/S)	40 X 4,5	325 X 1 000	2 250 kg	40 000 kg	6 500 kg	16,0 kg
*40/40/30/4,5P (M/S)	30 X 4,5	500 X 1 000	600 kg	9 070 kg	2 270 kg	19,0 kg
*40/40/50/4,5P (M/S)	50 X 4,5	500 X 1 000	1 500 kg	25 000 kg	6 300 kg	29,2 kg

◆ Where greater loads than the above are required our technical staff will design and advise on type and sizes.

◆ Available Ex Stock.