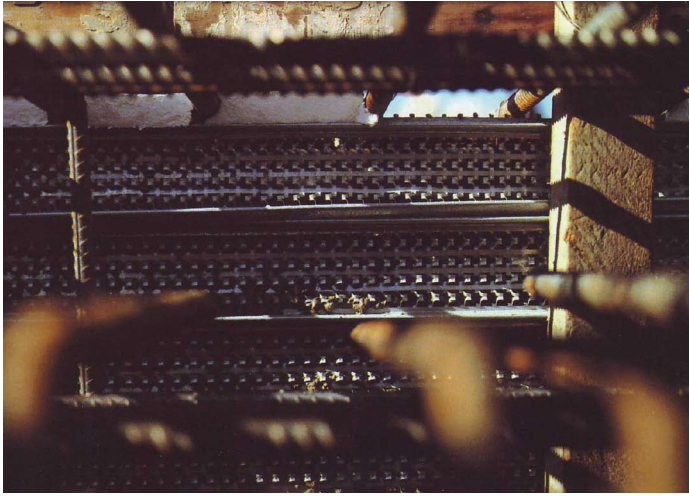


## Super Rib Formwork Mesh



**Locker Group Super Rib is permanent formwork for concrete.**

The unique design incorporates expanded mesh and roll formed ribs to retain poured concrete.

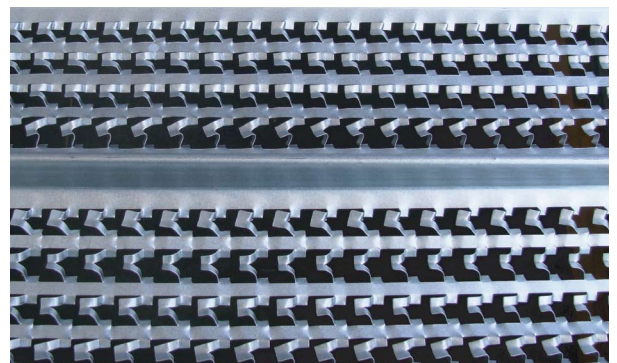
Provides a high degree of control over the quality of the joint.

**Utilise Super Rib for:**

- Construction joints & Stop ends
- Joints in Slabs
- Vertical Joints in walls

**Use Super Rib in place of traditional timber formwork;**

- It is faster and easier to install
- It can be installed before the reinforcement; the bars are then pushed through the mesh
- It provides an excellent bonding surface for subsequent concrete pours, without tedious preparation work
- The material is easy to cut, bend and shape to any required profile, eg toggle joints. It can be rolled/folded and passed through small areas, then opened out - an impossible task with timber or plywood.
- Openwork mesh can reduce concrete pore/water pressure by up to half, thus formwork supports are considerably reduced.
- Super Rib formwork can be left in place, no stripping of the formwork required, only the supports are removed.
- Can be used vertically or horizontally, curved and in water retaining structures
- Enables the pour to be visually monitored, reducing the risk of voids or honeycombing within the concrete.
- No need to clean, reface or oil the formwork



SUPERRIB	PRODUCT	SHEET SIZE
	2811G	450 x 2500

PROPERTIES	UNITS	2811	COMMENT
WEIGHT per area	kg/m <sup>2</sup>	3.39	
per metre	kg/m	1.51	/m (sheet)
THICKNESS	mm	0.400	nominal
SHEET WIDTH	mm	450	Nominal
AVAILABLE LENGTHS	mm	2500	
MINIMUM RADIUS			
(curved along the length of the rib)	mm	500	
Moment of resistance (working) fZ	kNm/m	0.244	See note below
Bending stiffness EI kNm <sup>2</sup> /m	2.32	See note below	
Working max.reaction kN/m	10.88	See note below	

**Note:**

1. The properties assume that the Super-Rib is used with the ribs pointing into the concrete, and spanning in the strong direction between supports, with the ribs parallel with the span.
2. The Super-Rib is considered to be a single use sacrificial material with a minimum 1.4 factor of safety on ultimate failure. The failure stress being the minimum ultimate tensile strength of the sheet metal.

**Indicative Spacing of Supports at slab joints using Super-Rib**

Depth of Joint (d)	Concrete Pressure		Clear Distance Between Supports
	CIRIA 108	Assumed for Super-Rib	2811
mm	kN/m <sup>2</sup>	kN/m <sup>2</sup>	mm
250	6.25	<b>3.2</b>	950
500	12.5	<b>6.3</b>	675
750	18.75	<b>9.5</b>	550
1000	25.0	<b>12.7</b>	475
1250	31.25	<b>15.8</b>	425
1500	37.5	<b>19.0</b>	400
2000	50.0	<b>25.3</b>	350
2500	62.5	<b>31.7</b>	300
3000	75.0	<b>38.0</b>	275