

## **Super Rib Formwork Mesh**



#### 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

# Locker Group Super Rib is permanent formwork for concrete.

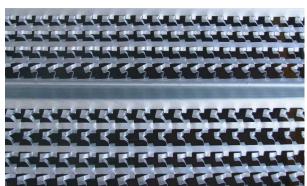
The unique design incorporates expanded mesh and roll formed ribs to retain poured concrete.

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









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 ElkNm2/m	2.32	See note below	
Working max.reactionkN/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	Clear Distance Between Supports	
	CIRIA 108	Assumed for Super-Rib	2811
mm	kN/m²	kN/m²	mm
250	6.25	3.2	950
500	12.5	6.3	675
750	18.75	9.5	550
1000	25.0	12.7	475
1250	31.25	15.8	425
1500	37.5	19.0	400
2000	50.0	25.3	350
2500	62.5	31.7	300
3000	75.0	38.0	275



