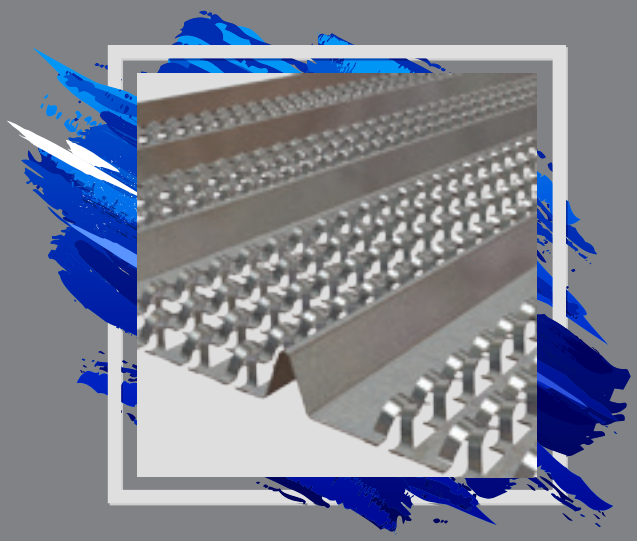
Infrastructure – Water Proofing Stage

HY-RIB LATH



DESCRIPTION

Manufactured from Pre-galvanized steel to BSEN 10327.
Hy Rib is available using stainless steel to BSEN 10088-2 type 1 .4301.
The profile of Hy Rib open mesh in combination with its ribs provide an inherently stiff sheet along its length.
It can be used for flat and curved surfaces.

Depth of joint (D)	Concrete Pressure		Clear Distance Between Supports (A) for Hy-Rib		
	Ciria 108	Assumed for Hy-Rib	2411	2611	2811
mm	kN/m²	kN/m²	mm	mm	mm
250	6.25	3.2	1250	1025	950
500	12.5	6.3	900	725	675
750	18.75	9.5	725	600	550
1000	25.0	12.7	625	500	475
1250	31.25	15.8	575	450	425
1500	37.5	19.0	525	425	400
2000	50.0	25.3	450	375	350
2500	62.5	31.7	400	325	300
3000	75.0	38.0	375	300	275

Reference	Rib Height (mm)	Material	Length (mm)	Width (mm)	Thickness (mm)	Weight (kg/sqm)
HRB 16 - GS	16	Galvanized	2500	450	0.5	3.25/3.39
HRB 18 - GS	18	Galvanized	2500	450	0.5	4.00/4.86

Thickness (mm)	Width (mm)	Rib Height (mm)	Rib Distance (mm)	Length
0.25	445	13	89	According to Order
0.3	445	13	89	According to Order
0.3	445	20.5	89	According to Order
0.35	445	13	89	According to Order
0.35	445	20.5	89	According to Order
0.4	445	13	89	According to Order
0.4	445	20.5	89	According to Order
0.5	445	20.5	89	According to Order

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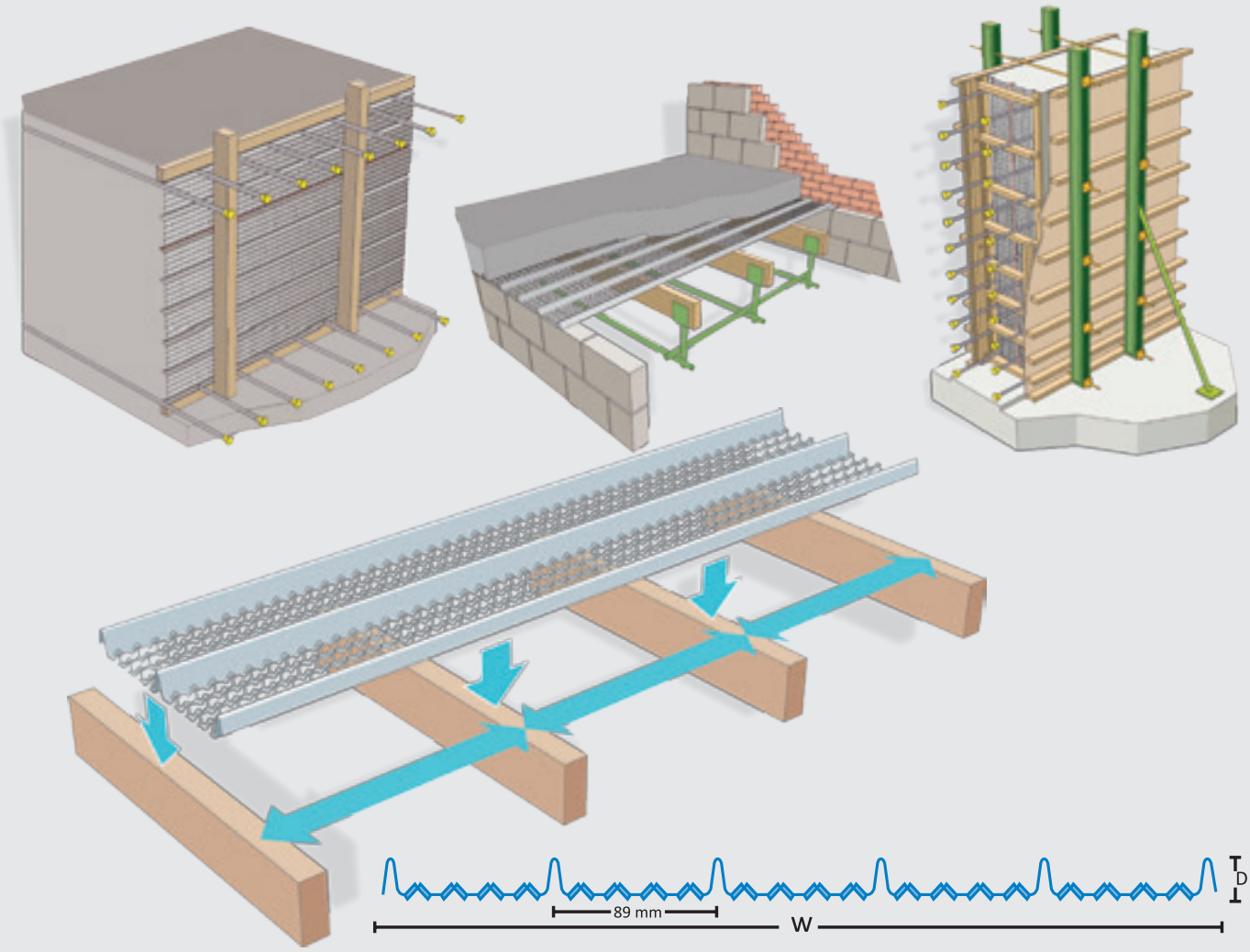

HY RIB: FIELDS OF APPLICATION AND ADVANTAGE

Application in concrete construction
- For expansion joints as lost form.
- For flat spread even or moulded construction units as lost form.

Advantages in concrete construction
- Perfect bonding of the concreting sections without any further treatment of the expansion joint.
- Reduction of the concrete pressure during the concerting process.
- Minimising of hollow spaces and visual supervision of the process possible.
- Hy Rib reduces the risk of trapped air and voids within the concrete.
- The range of narrower sheet widths improves site productivity and minimises wastage.

Application with plastering works
- For wire lattice construction with spans upto 1200mm.

Advantages with plastering works
- High Stability.
- Especially economical with great spans.

Hy Rib Processing Placing:
- Ribs must not be damaged or deformed when fastened.
- The sheets are placed overlapping rib in rib.
- With concrete works the rib back of the metal mesh always point to the first concreting section.
The open ribs on the other side ensu re reliable bonding to the second concreting section.

HY-RIB LATH

Reference	Weight (kg/sqm)	Rib Depth (mm)	Width (mm)	Length (m)	Material
HR 3	3.39	21	445	2 up to 5	Galvanized
HR 4	4.86	21	445	2 up to 5	Galvanized
HR 6	4.86	21	445	2 up to 5	Galvanized

The connection reinforcement (5) required is guided through the metal mesh. For this purpose Hy Rib is incised with sheets sheares or RSM special cam shears. Rib cutting in should be avoided if possible.

Joint bands can be mounted is placed between two Hy Rib strips. For this purpose Hy Rib is incised with sheet shears or RSM special cam shears. The stiffening wood beams are provided with cut outs for the joint band.

Hy Rib is nailed to angular or profiled stiffening wood beams (2).
Ribs should not be damaged when they are deformed The closed ribs points towards the first concreting section, since at this point the ribs are exposed to the greater pressure. The ribs are placed cross to the stiffening wood beams.

- Hy Rib requires the same concrete covering as reinforcing steel. In order to maintain the prescribed concrete covering timber rails (3) are nailed to the upper and lower sides of the construction unit as range spacers and to the stiffening woods beams.

- The stiffening wood beams (2) themselves are nailed to the sheathing and held by wooden ledges (4), which are propped against the existing reinforcement.

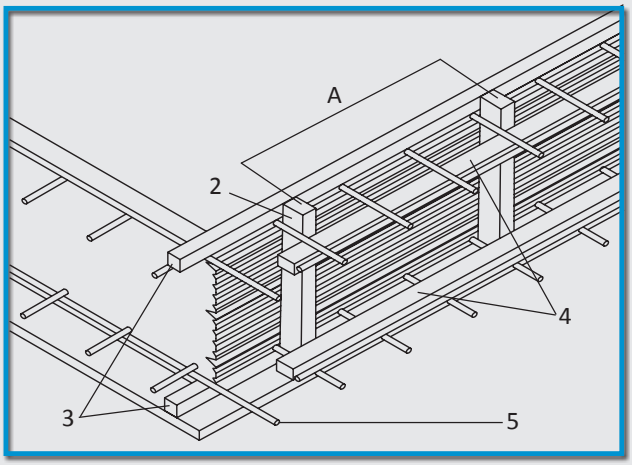

Fig 1 Straight expansion joint with Hy-Rib

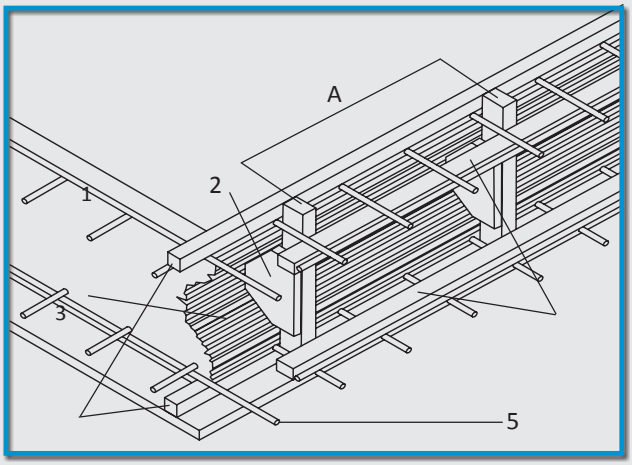

Fig 2 Profiled expansion joint with Hy-Rib

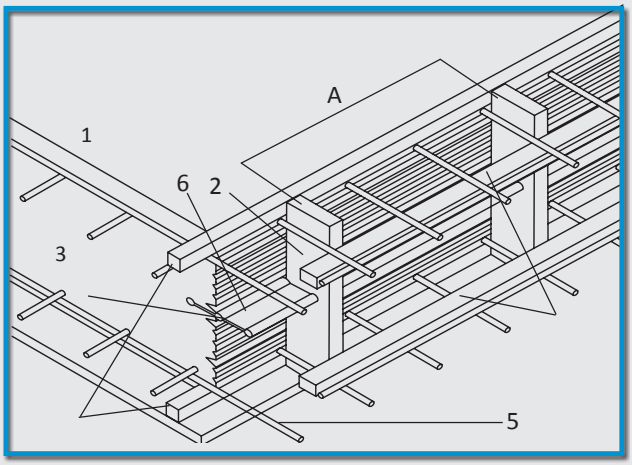

Fig 3 Expansion joint with Hy-Rib and joint band

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