

RECOSTAL® Expanded Metal

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RECOSTAL® Expanded metal is specifically developed for concrete and reinforced concrete constructions. Bearing capacity and surface structure are perfectly suited to these applications. Strong 21 mm high ribs run lengthwise across the sheet. Pressure of fresh concrete is considerably lower compared to solid formwork and only rises to a maximum of 38 kN/m². This value remains constant for concrete heights exceeding 3.0 m.

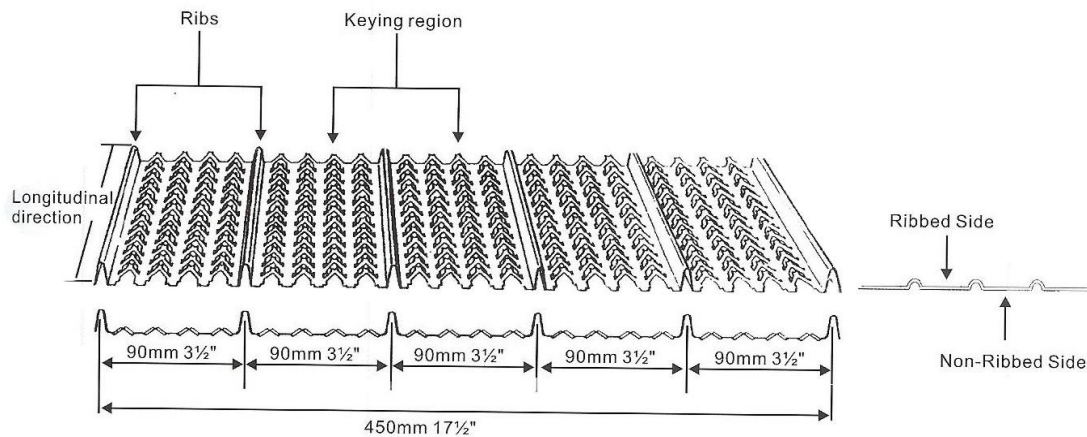
Main Characteristics

- Strong lengthwise
- Fast Installation
- Shapeable crosswise
- Cut to size
- Joint category "rough" according to EC2

Technical Data

- Material: Galvanized steel
- Unit size: 44.5 x 200 cm
- Types and thickness: 2811/2 – 0.4 mm, 2911/2 – 0.3 mm
- Packaging: packed on pallets, shrink wrapped
- Storage: no limitation

Expanded metal type	Item No.	Thickness [mm]	Size [cm]	Units per pallet
2811/2	19111000	0.4	44.5 x 200	100 sheets = 89 m ²
2911/2	19151000	0.3	44.5 x 200	100 sheets = 89 m ²



Reinforcement distances

Concrete height [m]	Type 2811 [m]	Type 2911 [m]
0.25	0.70	0.50
0.50	0.60	0.45
1.00	0.50	0.40
1.50	0.40	0.30
2.00	0.35	0.25
2.50	0.25	0.20
3.00	0.20	0.15

The distances for support props are the same as for timber formwork (21 mm). This recommendation applies to RECOSTAL® Expanded Metal type 2811. For type 2911 the given numbers are to be reduced by 25%. The values given are recommendations on the basis of the 3 field system.

Installation

The RECOSTAL® Expanded metal is to be placed between the top and bottom layers of main reinforcement in the concrete element. To prevent leakage and ensure concrete cover it is recommended to use concrete or timber spacers. After placing, external supports are to be used at given distances depending on type of expanded metal sheets used. To form corners and regulate length the ribs of the expanded metal sheets are cut and the easily trimmed by hand.

Related Products

- RECOSTAL® 1000
- RECOSTAL® 2000

Safety/ Recommendations*

Wear protective gloves

*The recommendations relating to the application and end-use of our products are based on our current knowledge and experience of the products when properly stored, handled and applied under normal conditions. No warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any other advice offered. The user shall rely on his or her own information and tests to determine suitability of the product for the intended use. We reserve the right to update information due to technical progress.