

01 INTRODUCTION

Zin Mesh Roll Reinforcement Concrete is manufactured from hard drawn steel wire for the construction and pre-cast industries. The main and cross wire of the fabric are welded rigidly together by an auto-electro welding machine at constant spacing.

Applications : Slab on Grade Reinforcement Floor | Walls Systems Topping Slabs | Architectural precast wall panels | Tilt-up wall systems | Shear walls | Retaining walls |



ADVANTAGES

Zin Mesh Roll is an efficient, economical and viable option for concrete reinforcement.

Save time and money using mesh roll over standard rebar methods.

Wires are welded in a mat so that wires do not move when concrete is placed, ensuring the wires are in their proper position.

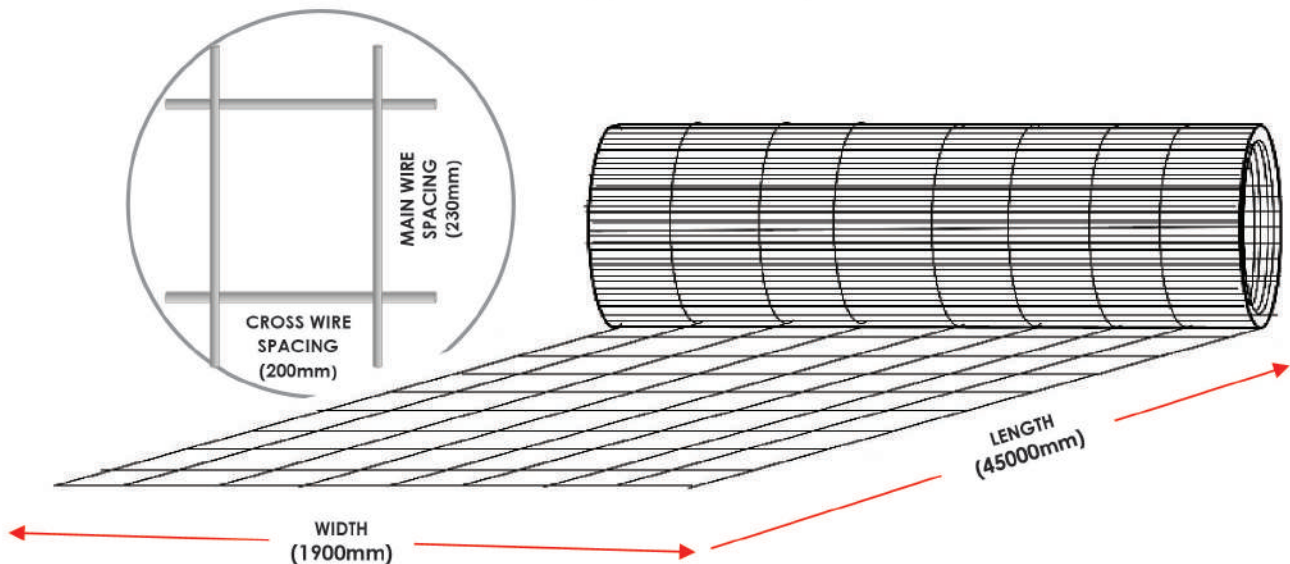
Rolls are designed to fit most light-weight reinforcing applications.

The optimum reinforcement is provided through the use of variable wire sizes and spacing.

Zin Mesh Roll provides the exact size of reinforcement where needed through variable bar size and spacing, thereby reducing steel waste.

02 DIMENSION

Zin Mesh Roll dimensions meet or exceed all applicable industry standards.

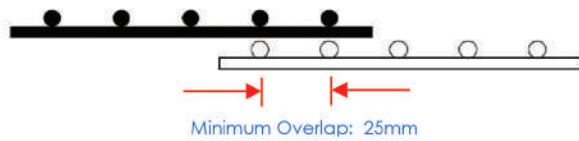


03 FABRIC LAPPING

Plain welded steel fabric bonds to concrete by the positive mechanical anchorage at each intersection. Roll welded steel fabric achieves bonding and anchorage with welded intersections.

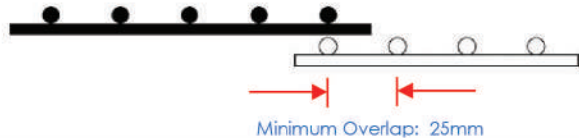
Full yield strength layered lap

- ☑ Commonly used for plain welded mesh.
- ☑ Staggered arrangement to avoid accumulation of laps.



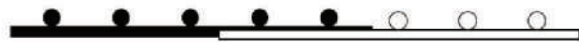
Half yield strength layered lap

- ☑ May be used for side laps across beams.



Flying ends lap

- ☑ A form of in-plane lapping where one sheet has a lap length overhang without welded intersections



04 SPECIFICATION

STANDARD ROLLED SHEET SIZE : 1.9 Meters WIDTH x 45 Meters LENGTH

Product Code	Nominal Size (mm)	Main Wire		Cross Wire		Mass (kg/m ²)
		Pitch (mm)	Number of Wires	Pitch (mm)	Number of Wires	
ZBRC-66C-45	2.7	230	9	200	228	0.40
ZBRC-66A-45	3.6	230	9	200	228	0.82
ZBRC-65A-45	4.0	230	9	200	228	1.01

Note: Mechanically welded rolls wire reinforcement is manufactured to strict domestic industry standards

04 WORKMANSHIP

HANDLING:

Fully recommended on using plastic, stainless steel wire or synthetic straps when strapping every welded mesh roll.

Use synthetic straps when lifting. Avoid using carbon steel lifting device, bare chains and steel bands. If it is inevitable, using something to separate them to avoid the direct contact with ferrous materials.

Sharp edges of welded mesh roll can cause injury. Appropriate cut resistant gloves should be worn during the handling process. Welded mesh roll on the floor can also be a trip hazard.

Responsible personnel should develop site-specific procedures before pouring the concrete on the mesh.

STORAGE:

Welded mesh roll should be stored in stacks and visible. Mesh roll should be stored vertically or horizontally on level ground.

Welded mesh roll should be stacked with sufficient supports so that the welded mesh roll will not move or sag.

Avoid contacting with or beneath carbon steel rebar or other ferrous materials. Should be separated with ferrous material when transporting.

Should be covered with polyethylene sheeting or other appropriate material if the mesh bars are kept outdoors.



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