

Reno® mattresses shall be Maccaferri type flexible woven wire mesh boxes as supplied by Maccaferri or approved equivalent. The selvedge wire shall bear the marking of the manufacturer's name "Maccaferri" to enable visual inspection of originality. The boxes shall be divided into cells by diaphragms across the width of the unit and at not more than 1.0m centres.

Diaphragms shall be single sided and provided in the mattress by the factory according to the required height (i.e. 0.23m or 0.3m). Placing the diaphragm upright and lacing or tying it to the sides and along the top of the mattress lid ensures the rigidity of each diaphragm.

To ensure quality and consistency of the product manufactured to specifications, it shall be produced by an ISO 9001 certified factory.

#### 1. Heavily Galvanized Reno® Mattresses

Wire shall be to BS 1052/1980 "Mild Steel Wire", having an average tensile strength of 37 – 50 kg/mm<sup>2</sup> before PVC Coating and fabrication of the netting.

Wire shall be Heavily Galvanized to BS EN 10244-2:2009, "Galvanized Coating on Wire", that is to say the minimum weight of Zinc coating shall be according to the table below:

Wire sizes and minimum weight of Zinc Coating:		
Selvedge Wire	3.5 mm	275 g/m <sup>2</sup>
Mesh Wire	2.2 mm	260 g/m <sup>2</sup>
Lacing Wire	2.2 mm	240 g/m <sup>2</sup>

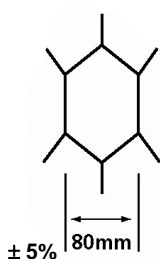
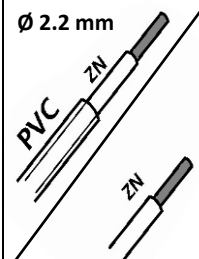
When the wire wrapped six times around four wire diameter size mandrel, the Zinc coating shall not flake or crack to the extent that any Zinc can be removed by rubbing with bare fingers.

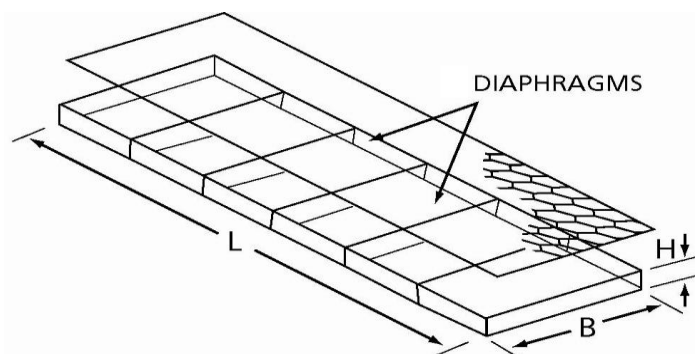
#### 2. Heavily Galvanized and PVC Coated Reno® Mattresses

In addition to heavy galvanizing as described, the wire shall have extruded onto it a coating of Poly Vinyl Chloride, otherwise referred to as PVC. The coating shall be grey in colour, shall nowhere be less than 0.55 mm in thickness and shall be capable of resisting deleterious effects of natural weather exposure, immersion in salt water and shall not show any material difference in its initial characteristics.

The maximum penetration of corrosion of the wire core from a square cut end shall not be greater than 25mm when the specimen has been immersed for 2000 hours in a 50% solution of HCL (Hydrochloric Acid 12BE).

#### Reno® Mattresses (Single Diaphragm)

L x B x H (m)	NOMINAL MESH SIZE	BODY WIRE DIAMETER
3 x 2 x 0.23 6 x 2 x 0.23		
3 x 2 x 0.30 6 x 2 x 0.30		



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