

REHABILITATES AR NETWORK 160

FIBERGLASS NET FOR REINFORCING PLASTERS

1. DESCRIPTION

The net **REHABILITATES AR NETWORK 160** is made up of 100% glass fiber yarns, with yarns developed using the latest Cem-FIL® technology, called AR yarns, which are distinguished by the incorporation of Zirconium and which allow for extremely high resistance to cement alkalis. It is currently the most resistant type of fiberglass known.

Therefore, this network does not require chemical treatment to provide anti-alkaline resistance. However, in network production **REHABILITATES AR NETWORK 160** chemical induction is applied to reinforce the protection of the network against the attack of alkalis from different coatings, such as concrete, synthetic binder coatings or hydraulic plasters.

two. FIELD OF USE

The fiberglass net **REHABILITATES AR NETWORK 160** is a product designed to work/assemble in hydraulic-based applications, giving these coverings or floors a low cracking rate, as well as greater durability of their functions.

The net **REHABILITATES AR NETWORK 160** considerably increases the resistance to cracking of engineered or traditional coverings, so that it fulfills its function of sealing the wall more effectively, presenting excellent performance, due to its mesh opening.

On floors, the network **REHABILITATES AR NETWORK 160** is recommended for traditional cementitious, self-leveling floors, roofs, radiant floors or floors with thermal and acoustic insulation. In this type of solution, the network **REHABILITATES AR NETWORK 160**, presents clear advantages over the use of traditional sun mesh on floors due to its flatness and ease of handling and transport.

3. PRODUCT CHARACTERISTICS

Characteristics	Value
Wires	100% Fiber glass
Rolls	1.20 mx 0.50 ml (60 m ²)
Size and opening of mesh	40 x 40 mm ± 10%
Total fabric weight	160 g/m ² ± 10 %
Tensile strength Longitudinal Transversal	17.3 ± 2 N/mm 32.0 ± 2 N/mm

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Elongation at break Longitudinal Transversal	3.1 ± 1.0% 4.0 ± 1.0%
Chemical resistance	Excellent resistance to alkali (AR wire)

4. APPLICATION

The net **REHABILITATES AR NETWORK 160** must always be applied in a “sandwich” system, that is, apply a layer of coating on the fresh surface, place the mesh so that it is soaked and proceed with the second layer, completely covering the mesh.

a) Plasters

The net **REHABILITATES AR NETWORK 160** performs well on plaster coverings, providing a redistribution of tensions, without causing a surface of discontinuity within the layer.

The net **REHABILITATES AR NETWORK 160** is especially suitable for the rehabilitation of coatings on old masonry, providing consolidation and reinforcement in heterogeneous fillings with thicknesses greater than 4 cm.

In building rehabilitation operations, we suggest prior consultation with our Technical Services.

b) Others

The net **REHABILITATES AR NETWORK 160** can have other applications in floor and wall coverings, particularly as part of more complex coating systems.

5. PACKAGING AND EXPIRY

Packaging

Rolls of 1.20m x 50 ml.

The storage of **REHABILITATES AR NETWORK 160** must be done in a dry place, protected from sun exposure and placed vertically.

6. HYGIENE AND SAFETY

Handling this product does not require special care. However, it may cause some irritation in more sensitive skin. In this case, wash thoroughly with cold water and soap.

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Fiberglass mesh for wall cladding.

LNEC - National Civil Engineering Laboratory
Homologation Document DH 941 - Networks for Reinforcing Wall Coverings.

As the conditions for applying our products are beyond our reach, we are not responsible for their incorrect use. It is the customer's duty to verify the suitability of the product for the intended purpose. In any case, our liability is limited to the value of the goods supplied by us. The information contained in this sheet may be changed without prior notice. In case of doubt, and if you require further clarification, please contact our technical services.

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