

REABILITA REDE AR 160

FIBREGLASS MESH FOR REINFORCEMENT OF RENDERS

1. DESCRIPTION

REABILITA REDE AR 160 mesh is made up of 100% fibreglass yarns, with yarns developed using the latest Cem-FIL® technology, called AR yarns, characterised by the incorporation of Zirconium, which provides very high resistance against the alkalis of cements. Currently, this is the most resistant fibreglass known.

This mesh has no need for chemical treatment to grant its resistance to alkalis. However, in producing **REABILITA REDE AR 160** mesh, a chemical induction is applied to reinforce the protection of the mesh against alkalis attack from the various coatings, such as concretes, synthetic binder coatings or hydraulic renderings.

2. FIELD OF USE

REABILITA REDE AR 160 fibreglass mesh is a product designed for working on hydraulic-based applications, giving these coverings or floors a very low rate of cracking, as well as a greater durability in their functions.

REABILITA REDE AR 160 mesh considerably increases crack resistance in projected or traditional coverings, so that they will more effectively fulfil their wall sealing function, while presenting excellent behaviour due to their open mesh.

REABILITA REDE AR 160 mesh is suitable for traditional cementitious floorings, self-levelling floorings, rooftops, radiant floorings or those with thermal and acoustic insulation. For this type of solution, **REABILITA REDE AR 160** mesh has clear advantages over the use of traditional single wire mesh in floorings due to its planarity and ease of handling and transport.

3. PRODUCT CHARACTERISTICS

Technical Characteristics	Value
Yarn	100% Fibreglass
Rolls	1,20 m x 0,50 ml (60 m ²)
Mesh size and aperture	40 x 40 mm ± 10 %
Total weight of the fabric	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	Good resistance to alkalis (AR yarn)

4. APPLICATION

REABILITA REDE AR 160 mesh should always be applied in a "sandwich" system, that is, applying a layer of coating on the fresh surface, laying the mesh so as to be slightly embedded, and carrying on with the second layer, completely covering the mesh.

a) Renderings

REABILITA REDE AR 160 mesh has a good performance with render coatings, providing a redistribution of tensions within the layer without producing a discontinuous surface.

REABILITA REDE AR 160 mesh is especially designed for the rehabilitation of rendering on old masonry, providing consolidation and reinforcement in heterogeneous fillings with a thickness exceeding 4 cm.

In building rehabilitation operations, we suggest that you consult our Technical Services beforehand.

b) Others

REABILITA REDE AR 160 mesh can have other applications in floor and wall coatings, particularly as part of more complex coating systems.

5. PACKAGING AND VALIDITY

Packaging

Rolls of 1,20m x 50 ml.

REABILITA REDE AR 160 must be stored in a dry place, protected from sunlight and in a vertical position.

6. HEALTH AND SAFETY

Handling this product does not require special care. However, it may cause irritation to more sensitive skins. In such cases, rinse abundantly with cold water and soap.

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Fibreglass mesh for wall coating.

LNEC – Laboratório Nacional de Engenharia Civil
Approval document DH 941 – Mesh for wall coating reinforcement.

Being the conditions of applying our products out of our reach we do not take responsibility for its misuse. It is the customer's duty to verify the suitability of the product for the intended purpose. In any case, our responsibility is limited to the value of the goods supplied by us. The information contained in the present data sheet may be altered without prior notice. In case of doubt and if you need any further advice please contact our Technical Services.

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