

❖ AR Glass Fibre Mat

AR GLASSFIBRE MAT is an engineered AR-stem designed for use as a reinforcement in very thin layers (5-20 mm)

❖ AR Glass Fibre Mesh

AR GLASSFIBRE MESH is used by manual laying or mechanical moulding to reinforce areas which need mechanical strength to prevent cracking

Application (Mat)

AR Glass fibre Mat is available in a range of nominal weights: standard is 150g/m². It is produced by chopping AR-Roving into 20-50mm strands and forming it into a mat with a suitable binder. The mat has an open construction to permit penetration by cement mortar. The engineered binder, which dissolves with water further, assists in incorporation into a cement matrix.

AR Glass fibre Mat may be used as a positioned reinforcement flooring systems.

AR MAT FOR GRC	AR MESH FOR GRC
ARMC150-1000L(H)	ARNP10*10-100L(H)-160G/m ²
ARMC225-1000L(H)	ARNP5*5-100L(H)-160G/m ²
ARMC300-1000L(H)	ARNP6*6-100L(H)- 270G/m ²

Packaging & Storage

- MAT Packing details: 100m² /roll /ctn, 16 ctns/pallet, 20 pallets / 20'FCL. 32,000m².
- MESH Packing details: 50m² /roll, 36 rolls/pallet, 20 pallets / 20'FCL. 36000M².

AR Glass fibre mat & mesh pallet should be stored dry in original packaging and advisable to stack in one layer, at a temperature between 15°C- 35°C & relative humidity between 35%- 65%. If stored below 15°C, it is advisable to hold in workshop for 24 hours to prevent condensation before use.

- **AR Glass fibre mesh is manufactured in compliance with EN15422:2008, BSEN13496:2002 and ETAG 004.**

AR roving or chopped strands, please check <http://www.lbie.com/PDF/cstara.pdf>

Technical Data

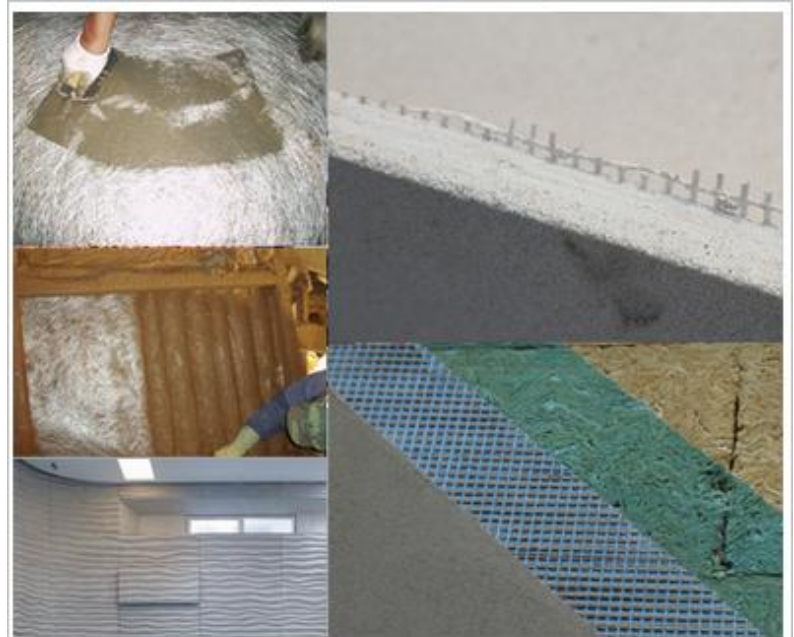
ARG Fiber advantages

With original E-glass fibers, durability was a big issue. This fiber breaks down and loses strength in concrete. Now an alkali-resistant Glassfibre is available. It's made resistant to high alkali corrosion through the use of zirconium-dioxide.

ARG Fiber properties

- Excellent alkali-resistance with high ZrO₂ content of over 16.7%
- Good tensile & flexural properties
- High elastic modulus, freeze thaw resistance and crack fatigue
- Excellent impermeability properties.

ARG Fiber is good for manufacturing GRC cladding. It gives architects a way to design ornate and complex exterior building cladding solutions. And its high performance & environmentally friendly



Mat Technical Data:

EXAMPLE	ARMC150-1000H
Type of glass	Alkali Resistant(AR)
Zirconia (ZrO ₂) content	≥16.7%
Filament diameter (µm)	11±2
Strand tex	50±5
Weight available(g/m ²)	150 225 300
WIDTH(MM)	1000
Sizing Content	0.09
Breaking strength(N/150MM)	37

Mesh Technical Data:

EXAMPLE	ARNP5*5-100-160G/m ²
Type of glass	Alkali Resistant(AR)
Zirconia (ZrO ₂) content	≥16.7%
Hole Distance(mm)	5
Weight available(g/m ²)	145 160 270
WIDTH(MM)	1000
WARP DIRECTION TENSILE STRENGTH (N/50mm)	1356
WEFT DIRECTION TENSILE STRENGTH (N/50mm)	1290
LATEX COATING Content	20%
Strength Remained rate after soaked in cement filtrate for 28 days	≥90%
Breaking Elongation	≤5.0