

# Talrakfibgrid ARG

High performance AR glass mesh for reinforcing  
coatings and cement plasters



The Construction Alchemists

## Description

Talrakfibgrid ARG is high performance AR mesh used for reinforcing cementitious and resinous coating systems and for reinforcing mortars and plaster layers in civil construction. It has high strength to weight ratio which will reinforce the thin layers without adding significant weight and thickness to the layers. Talrakfibgrid ARG is non-corroding.

## Features & Benefits

### As a waterproof coating reinforcement

- Alkali resistant coated mesh suitable for reinforcing cementitious liquid applied waterproof membrane systems.
- Does not effect the appearance of coating.
- Significantly improved crack resistance, even with thin coatings.
- Imparts abrasion resistance to the coating.
- Flexible - suitable for any surface profiles.

### As a reinforcement for plaster

- Suitable for different proportion of cement sand mortars.
- Imparts anti-cracking property to the applied mortars.
- Easy to use.
- Available in various widths to suite different applications.
- Can be used for internal and external exposures.
- Suitable for reinforcement of gypsum plaster.
- Significantly reduces drying shrinkage stresses in the mortars.
- Can be used as reinforcement for repair mortars.

## Technical properties

Parameter	For coating reinforcement	For plaster reinforcement
Type	Alkali Resistant Glass Mesh	Alkali Resistant Glass Mesh
Density :	45 g/m <sup>2</sup>	145 g/m <sup>2</sup>
Grid Size :	2.5mm x 2.5mm	5mm x 5mm
Counts per 25mm :	weft - 10 warp - 10	weft - 5 warp - 5
Resin content	18%	
Tensile strength (MPa):	Weft - 420 Warp - 600 Test specime size: 5cm x 20cm	

## Application Instruction

### Waterproof Coatings

Coatings are applied in several steps of application. Talrakfibgrid ARG mesh is embedded into the first layer using a trowel or any suitable tool. After the first layer is cured, it is covered with subsequent layers of coating. Care shall be taken to ensure that no wrinkles are formed while laying the mesh to avoid intrusion of air bubbles into the coating. At the time of application of the second layer, the mesh shall not be displaced or dragged.

### Plaster Reinforcement

The right size of the mesh shall be chosen for the given application. It can be used for the joints between wall and beam, wall and column before plastering. The chosen size of the mesh shall be placed in such a way on the joint such that, at least 50mm of the mesh runs on the masonry and anchored on the brick/block work at an interval of 100mm. A thin coat of plaster shall be applied on the mesh completely and cured for at least 24hrs and subsequently the final plaster will be applied to the desired thickness.

When the plastering has to be done to make good the chasing done for electrical conduits water lines etc. a suitable width of the mesh shall be selected such that an extra 50mm width of the mesh runs on either side of the chasing. It is important to observe that the mortar has to be compacted between the pipes and conduits in the groove before the mesh is placed.

For reinforcing the diagonal edges of the openings for doors and windows Talrakfibgrid ARG can be effectively used as reinforcement to avoid cracks emerging from the corners of the openings. The mesh shall be fixed along the diagonal edges of the opening for a length of at least 400mm. Talrakfibgrid ARG shall be fixed firmly by using non metallic anchors, if required. The subsequent plaster layers shall be applied as per standard practice.

## Estimating Packaging

The rolls of alkali resistant fiber glass mesh fabric is wound on paper tubes. The length is generally of 50m and width is available in varying sizes as follows. The roll is packed in the polyethylene bags.

For Waterproofing Works - 45g/m <sup>2</sup>	1m(w) x 50m(L) roll
For plastering Works - 145g/m <sup>2</sup> - Roll Size	
Width	Length
100mm	50m
150mm	50m
200mm	50m
300mm	50m
1000mm	50m

## Precautions

### Health & Safety Instructions

Hand gloves and protective clothing, goggles and respirator shall be worn while handling the material. If direct contact with skin or eyes occurs, seek immediate medical advice shall be sought. Care shall be taken to properly dispose the cut pieces of the materials such that, it does not come in direct contact with personnel present in the work area.



**Talrak Construction Chemicals Pvt. Ltd.**

**An ISO 9001:2015 Certified Company**

#### Works:

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### Important note :

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