

AR V12-AM

High Zirconia Alkali Resistant
Glass Fibres



Suitable for concrete slabs, driveways and light industrial floors

Product Description

Glass fibre in the form of filaments, suitable for concrete slabs, driveways and light industrial floors - aiding in crack control and acting as a replacement for steel mesh.

Typical Applications

- Driveways
- Paths
- Ramps
- Decorative pools
- Sprayed concrete
- Car parking areas
- Garage bases
- Concrete floor screeds
- Patios
- Patterned imprinted concrete
- Conservatory & greenhouse floors

Properties

Length (L):	13.0 mm
Filament Diameter:	13.5 micron
Tensile Strength:	1620 MPa
Zirconia Content:	>17%
Breakage Elongation:	2.4%
Moisture Content:	>0.5%
Specific Gravity:	2.70

Fibratec V12 - AM Alkali-Resistant Glass Fibres are manufactured in compliance with **ASTM C1666/C** and **EN 15422:2008** under the recommendations of PCI and GRCA

General Mixing Recommendations

Central Mixing Plant

- Fibres should be introduced directly into the fresh concrete, preferably at the end of the mixing cycle
- Fibres should never be added as the first component

In the Truck Mixer / Site Mixer

- Mixing speed should be set at maximum (around 15 rpm) before adding the fibres
- Concrete slump should be approximately 100 mm, adjusted using plasticisers
- Add the fibres gradually at a rate of approximately 2kg per minute
- Once the fibres have been added, continue to mix at maximum speed for a period of one minute
- For small site mixers, adjust the dosage pro-rata

Dosage

For use as crack control:

→ 0.6kg per cubic metre

Replacement of steel mesh/steel fibres in ground supported concrete slabs:

→ 2-3kg per cubic metre



Available in 1kg and 10kg bags