FIBRE TECHNOLOGIES INTERNATIONAL

Roving
AR2500H-350Y

Suitable for spray or premix GRC



Technical Datasheet

High Zirconia 17%+ Alkali-Resistant Glass Fibre

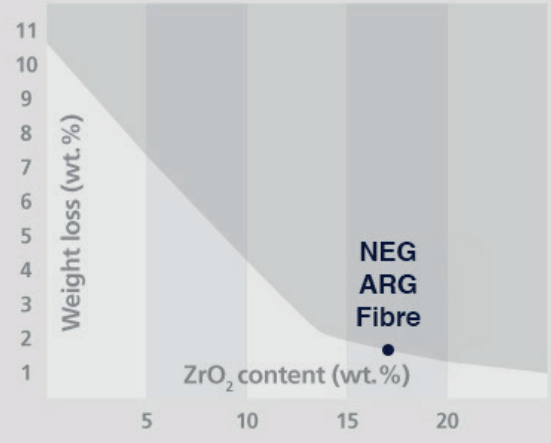
Product Description

AR2500H-350Y is a roving glass fibre which can be used for either spray or premix GRC. It is a 100 filament-per-strand fibre, providing twice as many reinforcing strands as conventional fibres, ensuring effectiveness even at lower fibre contents. For spray it can be used at 3.5 – 4.5% to give equivalent flexural strengths to 5% conventional fibre.

Advantages

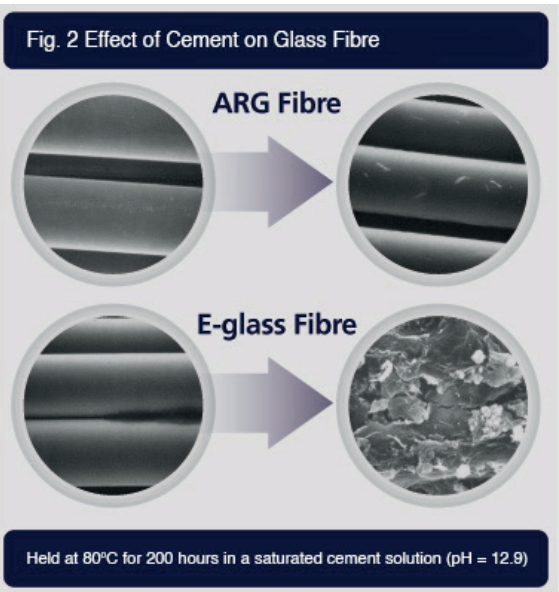
- High zirconia content
- Effective at lower fibre %
- Long term durability
- Suitable for automated spray systems
- Proven Japanese quality

Fig. 1 Alkali Resistance of Glass & ZrO_2 Contents



Held at 80°C for 200 hours in a saturated cement solution (pH = 12.9)

Fig. 2 Effect of Cement on Glass Fibre



Held at 80°C for 200 hours in a saturated cement solution (pH = 12.9)

Product Information

Type of Glass:	Alkali-Resistant
Roving Tex (g/1000m):	2500 nominal
Strand Tex:	39
Filaments per Strand:	100
Zirconia Content:	Minimum 17%
Moisture Content:	< 0.5%

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Properties

Thermal Expansion Coefficient:	9×10^{-6}/°C	(5×10^{-6}/°F)
Softening Point:	830°C	(1526°F)
Density:	2.8g/cm³	(175pcf)
Tensile Strength:	1.5GN/m²	(2.04×10^{5}psi)
Young's Modulus:	74GN/m²	(1.08×10^{7}psi)
Strain to Failure:	2%	



Supplied in rovings, 20kg each, 48 per pallet
Net Weight: 960kg
Gross Weight: 990kg
110 x 110 x 110cm
Supplied by Fibre Technologies International

*NEG ARG Fibres are manufactured in compliance with **ASTM C1666/C** and **EN 15422:2008** under the recommendations of PCI and GRCA*

Technical Support

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