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# VV020-FIBER GLASS

## SPECIAL FIBER GLASS FOR GYPSUM

VV-020 FIBER GLASS is a special purpose AR-glass fiber chopped strand designed for mixing with gypsum, cement and other materials where a high degree of dispersion of the fibers is needed.

### TECHNICAL FEATURES

- Fiber length: 12 mm
- Filament Diameter: 20  $\mu\text{m}$  / 0.00078"
- Loss on Ignition (%): 0.60
- Moisture (%): 0.50 max.
- Electrical Conductivity: Very low
- Specific Gravity: 2.68 g/cm<sup>3</sup>
- Material: Alkali Resistant Glass
- Softening point: 860°C
- Chemical Resistance: Very high
- Modulus of elasticity: 72 GPa / 10 x 10<sup>6</sup> psi
- Tensile Strength: 1000–1700 MPa / 145–250 x 10<sup>3</sup> psi

### BENEFITS

- Excellent workability
- Control and prevention of cracking in fresh gypsum and cement
- Improves the thixotropy of the gypsum, making it easy to apply
- High dispersion: 100 million of filament per kg in fiber length 12 mm
- Safe and easy to handle
- Virtually invisible on the finished surface

### APPLICATIONS

VV-020 FIBER GLASS product is typically used in the modification of specialist gypsums and industrialized processes

VV-020 FIBER GLASS product chopped strands have a sizing system which is water dispersible, allowing full dispersion into individual filaments when mixing in an aqueous environment. It is mainly used in renders, gypsums and mortars.

### DOSAGES

The recommended dosage is between 0.02 and 0.2% or between 0.5 and 5 kg/m<sup>3</sup>. The fibers can be added to the gypsum or cement powder (dry) or introduced directly in the mixing phase of the product. The fiber can also be dispersed in water before adding the gypsum powder.