

## William Ivor Stone Limited - Composite Technology Consultants

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## Triaxial

### Introduction

Master Works™ range of ancillaries includes a stitched triaxial reinforcement fabric.

This triaxial has an enhanced wet out and the sizing on the yarn is water soluble so there is an improved bond.

The triaxial reinforcement is (60/60/60) stitched E glass weighing 150 gm /m<sup>2</sup>. It has been specifically manufactured for compatibility and use with the Master Works™ resin systems

### Features / Benefits

- Easily wetted by the Master Works™ resins
- Provides good resin/glass adhesion
- Light weight
- The fabric is readily drapable and conforms easily to complex shapes
- This conformity means that limited glass cutting is required
- Multiaxial orientation provides good all-round laminate dimensional stability
- In the majority of applications only 1–2 layers of reinforcement are required reducing production time and, with the good wettability, increasing productivity.

### Processing

In general use it is recommended that Master Works™ Reinforcement is used in 2 layers, one behind the gelcoat and the other, separated by a spacer layer, at the back of the laminate.

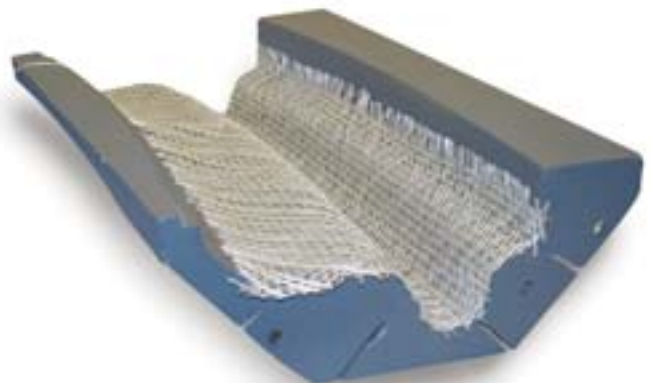
This laminate construction method results in a simple sandwich construction with good rigidity and impact resistance. (See Master Works™ Laminating Guidelines) Where the Master Works™ material is being used as a coating, for example onto polystyrene forms, one layer of reinforcement fabric is sufficient to provide a higher impact resistance.

### Application Areas

- Laminate construction
- Reinforcement of positive spray systems
- Crack bridging
- Mould support casings

### Technical Information

Weight	150 gm /m <sup>2</sup>
Composition	E glass
Orientation	60/60/60 stitched triaxial
Roll width	1.270 m



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The information above is given in good faith as a guide for material use. However it remains at all times the responsibility of the customer to ensure that the material is fit for the particular purpose intended. The Master Works Trade Mark is the property of the Rohm and Haas Corporation.