

# COSHH DATA SHEET

## Architectural Armour Series - AA0001



### 1. IDENTIFICATION OF SUBSTANCE

#### LIGHTWEIGHT GLASS REINFORCED ARCHITECTURAL ARMOUR

**Usage:** Panel material used to resist the penetration and ricochet effects of ballistic threats.

**Manufacturer:** Optimal Armour Ltd, Unit G3, Dudley Central Trading Estate, Shaw Road, Dudley DY2 8QX

**Contact:** Tel: 01384 242332 Fax: 0121 535 7128 email: info@optimalarmour.co.uk

### 2. COMPOSITION

Glass fibre reinforced composite structure within a polyester resin matrix.

### 3. HAZARD INFORMATION

The material in panel form presents no hazard in use or storage.

Irritant particles are produced when the material is cut, abraded or machined.

### 4. FIRST AID MEASURES

Irritant particles are produced when the material is cut, abraded or machined.

Eyes affected by irritant particles: Wash with water.

Skin affected by irritant particles: Wash with water.

Ingestion of irritant particles: If a small amount, drink plenty of clean water.  
If a large amount, seek medical advice.

### 5. FIRE-FIGHTING MEASURES

Extinguishing media: Water

Hazardous decomposition products: If this material is involved in a fire, toxic products of combustion could be liberated at high temperatures.

### 6. ACCIDENTAL RELEASE MEASURES

The material in panel form presents no hazard in use.

Irritant particles, which are produced when the material is cut, abraded or machined and should be swept or vacuumed and disposed of as irritant waste. See section 13.

## 7. HANDLING AND STORAGE

The material in panel form presents no storage hazard.

The shelf life of this product in normal storage conditions is indeterminate.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION



## 9. PHYSICAL & CHEMICAL PROPERTIES (Not a specification)

Appearance: Rigid glass reinforced plastic material. Supplied as panels. Light green in colour. A woven texture may be apparent on the surface.

Density: 2000 kg/m<sup>3</sup>

Thermal Conductivity: 0.2 W m<sup>-1</sup> K<sup>-1</sup>

Water Absorption: 0.5% max at 100% humidity

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## 10. STABILITY & REACTIVITY

Stability: No stability concerns

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## 11. TOXICOLOGICAL INFORMATION

The material in panel form presents no hazard in use.

Irritant particles are produced when the material is cut, abraded or machined.

This information applies to the dust particles.

Health Hazards: None known

Inhalation: Irritant. Wear a suitable dust mask complying with BS EN 149

Ingestion: Small amount unlikely to cause injury. Large amount may cause gastric irritation and vomiting.

Eye contact: Irritant, if not washed out with water. Wear protective goggles.

Skin contact: Prolonged or repeated contact may result in skin irritation. Wear suitable gloves & clothing and apply barrier cream to exposed skin on face and body.

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**12. ECOLOGICAL INFORMATION**

The material is not biodegradable.

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**13. DISPOSAL INSTRUCTIONS**

When disposing of surplus or waste material wear suitable protective clothing. Product can be disposed of as land fill. Dispose of product in accordance with local authority regulations.

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**14. TRANSPORT INFORMATION**

No special transport information.

Packing Group:           None

UN Number:               None

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**15. REGULATORY INFORMATION**

None

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**16. OTHER INFORMATION**

None

Animal Testing:           Product has not been tested on animals.

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