



architectural membranes by Valmiera Glass UK Ltd.

Environmental Statement

Atex™ architectural membranes

Valmiera Glass UK Ltd aims to provide its clients with a high quality service in an environmentally responsible manner. Valmiera Glass group recognises that by our activities we inevitably impact on the environment and we routinely assess the significance of these impacts, and accordingly we set targets for continuous product and process improvement which we review on a periodic basis.

The Atex™ range of architectural membrane material has many sustainable characteristics.

- Valmiera Glass UK Ltd. is undergoing a site review to assess our performance in terms of the requirements of an Environmental management certificate to ISO 14001
- We use best available, lowest harmful raw materials
- Can be recycled - 87 %
- The recycling of cured silicone elastomers by de-vulcanisation is an emerging technology and Silicone elastomers are and can be recycled, therefore the end of life recycling process could account for virtually 100% recyclability by weight of used Atex™ fabric.
- Long-term durability +25 years
- Low costs for maintenance – dirt-repellent finish
- Inert and non-hazardous for disposal or recycling
- Increasing amounts of re-used packing and packaging materials
- Inherent fire resistance (non combustible)
- Odourless and ready to use, no bleaching necessary

Atex Range - Environmental Sustainability Statement

The weaving and coating of Atex™ fabrics is a low energy process using non-harmful materials sourced from Valmiera Glass LV or from world leading, responsible acting manufacturers.

At the end of its life of installation the Atex membranes can be disposed of without creating any pollution like gases or other harmful substances.

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PRODUCTION

- Relatively (compared to PTFE) low oven temperatures are used in production
- Power requirements for weaving are approximately 2kwh/m²
- No solvents or toxic heavy metals are present in the finished product
- No by-products are produced during the coating process
- No special disposal methods are required in the production process
- Waste is fully recycled if possible

RAW MATERIALS

E glass

- Woven in the Sherborne Manufacturing plant.
- Accounts for 40 to 65% by weight of the finished product
- Recyclable, as glass melt, or shredded for secondary uses.

Silicone Coating material

- Accounts for between 60 and 35% by weight of the finished product
- Coloured by organic and inorganic colours
- Entirely free from toxic heavy metals (e.g. lead and cadmium), halogens and other toxic elements
- No hazard labelling required under COSHH regulations.
- PVC and PTFE free

BENEFITS

- Atex™ are High strength and lightweight structural membranes, with a light carbon footprint
- Atex™ TRL products have high translucency of up to 40%+
- Are non-flammable, non-flaming, with no toxic smoke generation, and do not generate molten drips
- Atex™ membranes produce no emission and are highly durable (25 year life expectancy),
- Atex™ contains no phthalates or plasticisers of any kind
- Atex™ contains no fluorinated compounds of any kind
- Atex products can be used in a wide range of environments from -50° to + 150°C
- Highest stability – lowest weight

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