



Johns Manville

PRODUCT STATEMENT

COMPANY INFORMATION

Manufacturer

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PRODUCT INFORMATION

Glass textile wallcovering for installing on walls and ceilings. Glass textile wallcoverings are available in a number of different patterns and yarn compositions. The product reinforces wall and ceiling surfaces thereby increasing their life cycle. The product combines decorative appeal with many technical advantages.

The large proportion of inorganic material used in manufacturing results in a product that is fire-resistant without needing to add flame-retarding agents.

The product is classified as fire-retardant in accordance with: SITAC (Sweden's leading technical approval body for construction products) directives 5493/86, 0588/98 as a Class 1 surface layer (Sweden).

1. PRODUCT SPECIFICATION

Raw materials/additives:

There is no available information on the type and amount of energy used during the extraction/processing of raw materials, discharges/emissions and local environmental impact.

Average energy consumption during the production of raw materials: 2-2.5 kWh/kg

- Fibre glass, C and E glass fibre yarn 65-75 weight % depending on weave quality
- Potato starch 10-15 weight % depending on weave quality
- Binding agent 5-10 weight % depending on weave quality
- Sealant 1.5-2 weight % depending on weave quality

Water is also used as a binding agent during the manufacturing process.

Recovered materials:

All washing water is recycled in the production of glass textile wallcovering.

2. PRODUCTION

Glass fibre yarn is purchased ready-made and then treated and woven to produce glass textile.

The textile is available in many different woven patterns. To increase tensile strength and give it special installation and painting qualities, the textile is finished with a water-based impregnation liquid. The woven textile is then dried, inspected and cut into suitable roll lengths.

Natural gas and electricity are used in the manufacturing process. Average energy consumption for the production of glass textile wallcovering: 0.9 kWh/m².

During the production process the following average amounts of waste are produced:

- Non-flammable/waste: 110g/kg product
- Inflammable: 49g/kg product

Spillage arising during the production process cannot be recycled as glass textile yarn. It is used instead for the manufacturing of alternative products

3. DISTRIBUTION OF FINISHED PRODUCT

Production plants:

Glass textile wallcovering is manufactured in Helsingborg and Oskarström (Sweden) and St Helens (England). Products are transported by truck (and by boat from England when necessary).

Packaging:

Glass textile wallcovering is normally delivered in 50- or 30-metre rolls depending on the pattern. Packaging is made of carton with reinforced corners and shrink-wrap polyethylene (LDPE). Rolls are packed in cardboard containers and loaded onto wooden pallets (EUR standard or disposable). Pallets are wrapped entirely in polythene film. The number of wallcovering rolls to each wooden pallet is maximised to reduce overall packaging. Depending of weave quality, all packaging is equal to 3-6% of the total weight (excluding wooden pallet). Johns Manville AB is a member of REPA, the only organisation in Sweden permitted to award Green Dot certification. Membership number: 556036-2211

Storage:

When kept in undamaged packaging, glass textile wallcovering can be stored safely for two years in normal storage conditions

4. INSTALLATION DETAILS

Glass textile wallcovering is intended for indoor use only. The actual application and installation method is determined by the choice of adhesive, primer and paint. Always follow manufacturers' recommended instructions.

Apply adhesive to substrate with a roller or spraygun. Sprayed adhesive must always be rolled afterwards. Glass textile wallcovering is normally hung and then painted twice. Installation instructions are clearly stated on each roll.

The recommended amount of adhesive is approximately 250 g/m². After installation glass textile wallcovering must dry completely before painting.

See product specification for recommended painting instructions.

There are no details available regarding emissions during drying.

All onsite spillage is transported to official waste stations

5. LIFE CYCLE

The product's life cycle varies depending on installation technique and the environment in which it is being used. The product's intrinsic working life exceeds 15 years..

6. DISMANTLING

Glass textile covering affixes extremely well to virtually all wall surfaces, which means it cannot be separated when walls are dismantled or demolished. No part of the wallcovering can therefore be recycled.

7. RESIDUAL PRODUCTS

All packaging is recyclable.

Because glass textile wallcovering is affixed to wall surfaces with strong adhesives it is difficult to separate and recycle as a building material.

8. WASTE PRODUCTS

All spillage and waste are disposed of at authorised industrial waste sites/stations.

Although there are no criteria for assessing whether glass textile wallcovering impact the environment, the products are judged not to be environmentally harmful. Glass fibre waste is not biodegradable.

9. INDOOR ENVIRONMENT

Glass textile wallcoverings are free of odour.

The product's pH value is 6-8.

Glass textile wallcoverings are Öko-Tex 100 certified. This means products are tested and analysed for toxic materials and emissions using strict control methods in accordance with Öko-Tex standards.

All products are regularly checked by the leading Nordic institute for composites, fibres & textiles, plastics and rubber, IFP Research AB, Box 104, 431 22 Mölndal, Sweden

All the above details were compiled from average values taken from all production plants during 2001.