



PLATINUM  
FIBRE

# FABUFILL

PRODUCT DATASHEET

**135mm**

FABUFILL POLYESTER  
INSULATION



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### DESCRIPTION

#### Thermally Bonded Polyester Insulation

Platinum Fibre is proud of its industry leading status that we are the only polyester insulation manufacturer in South Africa that has the SABS mark.

Platinum Fibre's Fabufill polyester insulation is a versatile, easy to install, flexible, strong, lightweight blanket and is manufactured from recycled PET (polyethylene terephthalate) plastic bottles. Produced in a range of different thickness to provide a myriad of thermal and acoustic performances. This non-allergenic, non-irritant and resilient insulation does not support the spread of flame (Class B/B1/2 fire rating)

Used in roofs, ceilings, partitions and walls and is manufactured in widths to suit standard spacings of studs, ceiling and floor joists.

After its use, Fabufill's polyester insulation can be easily recycled, making this the perfect 'cradle to grave' insulation product.

### MATERIAL DATA

<b>Thickness (mm):</b>	Minimum 135mm (Allow up to 30 days for full recovery of loft).
<b>Roll dimensions (l x w):</b>	5.0 (l) x 0.60 OR 0.75 OR 1.2 (w) metres (tolerance +25mm and -10mm).
<b>Density:</b>	10.1 kg/m <sup>3</sup> (determined in accordance with ASTM C167).
<b>Weight:</b>	1350 gm/m <sup>2</sup> (tolerance +/- 10%).
<b>Fibre composition:</b>	80% recycled PET (locally sourced) & 20% virgin LMF.

### APPLICATIONS



### PERFORMANCE

<b>R-Value:</b>	2.93 – 3.10 m <sup>2</sup> .K/W (determined in accordance with ASTM C517).
<b>Fire:</b>	B/B1/2/H (determined in accordance with SANS 428). Non-Flammable. Will not contribute to the spreading of flame and will self-extinguish when a heat source is removed.
<b>Combustibility Data:</b>	Combustible at over 750 degrees. (determined in accordance with SANS 10177-8).

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### STANDARDS & ACCREDITATIONS

**SABS Mark:** SABS approved to SANS 1381-1:2013 Materials for Thermal Insulation of Buildings | Part 1: Fibre Thermal Insulation Mats.

Permit Number: 9486/15037.

**TIPSASA:** TIPSASA focuses on the Thermal Insulation Industry with particular emphasis on energy efficient products and systems.

### ENVIRONMENTAL

**Ozone depleting substances:** Does not contain and did not produce any during production. No VOC's are used during the production of this material.

**Recycling:** 1 ton of Fabufill's polyester insulation is manufactured from approximately 38 000 recycled bottles.

The plastic bags used for transporting the material are made from virgin LDPE material and is 100% recyclable, Grade 4. The inks used in the packaging are food grade.

### SPECIFICATION CLAUSE

**Clause:** Fabufill thermally bonded polyester insulation Roll, thermal and acoustic insulation installed between trusses, joists, studs or above suspended ceilings, SABS approved to SANS 1381-1:2013, non-combustible to SANS 10177-8 and B/B1/2/H to SANS 428. Compression packed.

### HANDLING & STORAGE

**Safety Precautions:** No particular hazards are known. The polyester fibres are not known to cause allergies. With correct use of this product no detrimental effects on health have been recorded.

**Transportation:** The rolls are compressed into plastic bags and is classified as non-hazardous.

**Storage:** Rolls to be stored under cover, laid horizontally and stacked no more than 10 units high. Rolls should be kept dry and must not be exposed to a naked flame or any other ignition source.

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### INSTALLATION GUIDELINES

**Installation tools:** Fabufill polyester insulation can be easily torn or cut with a pair of industrial scissors or shears.

**Installation methods:** Lay loose on ceiling board or suspended between trusses with restraining wires at 300mm intervals.

The distance between roof trusses, ceiling joists and walls studs should be measured, and the appropriate roll widths used.

Fabufill rolls should be installed between the members and the ends of the rolls should be carefully butted or lapped to ensure that the insulation is continuous.

A 50mm gap should be created around downlighters, recessed lights, flue pipes or any low heat sources.

### OTHER INFORMATION:

**Durability:** Fabufill does not physically deteriorate over time and does not require any maintenance. Properties are such that the material will not be damaged during normal handling and installations.

**Fungal Attack:** Fabufill has good resistance to bacteria, fungi and mildew, and fibre-devouring insects will not damage Fabufill polyester insulation since it is indigestible (tested in accordance with SANS 5484.)

**Moisture Absorption:** 0.78% (SANS 1381-1:2013 allows up to 2%)

SANS 5484  
APPROVED

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*Platinum Fibre provides all information contained in this publication based on data available at the time and reserves the right to amend such information from time to time.*

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