

# Crown<sup>®</sup> Glass Fibre Rolls

## Description

**Crown Glass Fibre Rolls** are manufactured from shot free, non-combustible glass fibre bonded with a high performance binder. They are lightweight, flexible, resilient and easy to handle.



They are designed for the thermal and acoustic insulation of flat and curved surfaces. The material is particularly suitable for use as continuous wraps or to cover large areas with minimum joints e.g. long vertical drops.

**Crown Glass Fibre Rolls** can be supplied as plain rolls or faced one or both sides with plain aluminium foil, reinforced Bright Class 'O' foil or black or white tissue. Plain and faced rolls can be die-cut to size and shape to suit clients specific requirements.

**Colour** - Yellow

## Application

**Crown Glass Fibre Rolls** are used extensively for the production of parts used for the thermal and acoustic insulation of domestic and industrial cookers, heating appliances, boilers, hot and cold water tanks, air conditioning equipment and railway rolling stock.

## Operating Temperature

**Crown Glass Fibre Rolls** can be used at continuous operating temperatures up to 230°C and down to cryogenic temperatures, providing a 100% vapour barrier is maintained to prevent ingress of moisture vapour. They may be used at temperatures up to 540°C in selected applications. Further details available on request.

## Fire Performance

Unfaced **Crown Glass Fibre Rolls** achieve a Euroclass A1 fire rating (non-combustible) when tested in accordance with BS EN 13501-1.

Unfaced **Crown Glass Fibre Rolls** are non-combustible, when tested in accordance with BS476: Part 4: 1970 (1984).

Data Sheet  
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## Thermal Conductivity

Roll Density kg/m <sup>3</sup>	Thermal Conductivity W/mK @ 10°C
16	0.037
20	0.037

## Acoustic Performance

Crown Glass Fibre Rolls have good sound absorptive properties as detailed below:

Thickness mm	Sound Absorption Coefficients					
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
25	0.15	0.25	0.40	0.50	0.65	0.70
50	0.25	0.45	0.70	0.80	0.85	0.85

## Dimensions and Density

Thickness mm	Width mm	Length m	Density Kg/m <sup>3</sup>
25	1200	20	20
25	1300	20	20
50	1300	13	20
40	1200	16	16

**Note:** Other thicknesses and densities may be available subject to minimum order quantities. Further details available on request.

## Permanence

Crown Glass Fibre Rolls are rot-proof, odourless, non-hygroscopic, do not sustain vermin and will not encourage the growth of fungi, mould or bacteria. They are dimensionally stable under varying conditions of temperature and humidity and are compatible with most surfaces they are likely to come into contact with.

### For Further Information

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