



PRODUCT DATA SHEET

ALUMINIUM BCO FOIL

Description: BCO foil is designed for the facing of insulation materials and provides an effective vapour barrier. BCO reflects infrared up to 85% and when tested to BS476 parts 6 and 7 (ignition and spread of flame) meets Class 0.

Construction: BCO Foil is an Aluminium Foil laminate consisting of a bright reflective Aluminium Foil, a Glass fibre scrim reinforcement and a thin PE film.

18 micron Aluminium Foil

5 x 5mm Glass fibre reinforcing scrim

25gsm PE Film

Properties:

<u>Weight</u>	<u>25gsm</u>	<u>DIN EN ISO 536</u>
<u>Tensile strength Lin</u>	<u>4000 N/m</u>	<u>DIN EN ISO 1924</u>
<u>Tensile strength W</u>	<u>4000 N/m</u>	<u>DIN EN ISO 1924</u>
<u>Elongation Lin</u>	<u>2.8%</u>	<u>DIN EN ISO 1924</u>
<u>Elongation W</u>	<u>3.5%</u>	<u>DIN EN ISO 1924</u>
<u>Burst strength</u>	<u>200kPa</u>	<u>DIN EN ISO 53113</u>
<u>Water vapour permeability g/m2/24h</u>	<u>0.2</u>	
<u>Temperature resistance</u>	<u>Alu Foil</u>	<u>+600C</u>
<u>Glass scrim</u>	<u>550C</u>	
<u>PE Film</u>	<u>130C</u>	

Length 50mtr Roll **Width 1.2mtr** **Wound on a 75mm cardboard mandrel**

CHEMICAL PROPERTIES

E Glass composition range

SiO₂ 54-62%

Al₂O₃ 9-15%

CaO 17-25%

MgO 0.4%

ZnO 2-5%

TiO₂ 0.4%

TEMPERATURE RESISTANCE

Use up to 800 Degrees C

TYPICAL APPLICATIONS

Acoustic insulation media for exhaust silencers.

Thermal insulation for domestic appliances.

Heatsheilds.

General industrial thermal and acoustic insulation.