



ROCKWOOL DUCT LINER

Introduction

Bradford Rockwool ductliner is a heavy duty premium thermal and acoustic insulation suitable for external and internal duct lining.

Product Description

Bradford Rockwool Ductliner (60kg/m³) is an economical internal lining for air-conditioning ductwork to providing acoustic, thermal and condensation control. Rockwool Building Blanket is manufactured from spinning a molten mixture of natural rock and recycled products into fine wool like fibres. The inorganic fibres are bonded together using a thermosetting resin. The product can be identified by its light brown appearance.

Applications

Bradford Rockwool Ductliner has been designed for use in lining of air-conditioning ducts to reduce heat flow and fan noise and prevent condensation. Typical applications include;

- sound absorbent lining for plant rooms
- plenum chambers etc.

Bradford Rockwool Ductliner is easily installed by impaling on weld pins and securing with speed clips.

Benefits

- Highly durable insulation product

- Available in a range of thicknesses to meet BCA requirements
- Can come in range of facings to meet requirements of projects
- Excellent and cost effective thermal insulation
- Performance is not adversely effected from contact with water
- Non combustible
- Biosoluble safe to use product

Available Facings

Rockwool ductliner is available with following facings; Flex-Skin is a strong non-woven fabric that is resin bonded to the underside of the ductliner greatly enhancing rigidity, tensile strength and handle ability. Plain Glass Fibre Tissue, (Clean Faced) CFBlack Matt, Sprayed Glass Fibre Tissue, BMF, Heavy Duty Perforated Aluminium Foil Laminate PERF. Please note more facings are available to meet your needs for further information contact Bradford

Health and Safety

This product is manufactured to the latest Fibre Bio-Soluble (FBS-1) Rockwool formulation and is not classified as hazardous according to the criteria of the ASCC (formally NOHSC) guidelines. For further information refer MSDS sheet on Bradford website.

SKU Table

Facing Type	Thickness (mm)	Standard Size Length	Width	Pieces per Pack	Area per pack sq.m
Flex Skin	25	2400	1200	8	23.04
	50	2400	1200	4	11.52
Clean Face	25	2400	1200	8	23.04
	50	2400	1200	4	11.52
BMF	25	2400	1200	8	23.04
	50	2400	1200	4	11.52
HD Perf	25	2400	1200	8	23.04
	50	2400	1200	4	11.52

Standard packaging is polythene bags

Note: not all sizes are held in stock. Some are subject to minimum order quantities. Published weights are for product only and do not include packaging.

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Physical Properties

Density	kg/m ³	60																									
Maximum Service Temperature		350°C																									
Facing Service Temperature		CCF 90°C; BMF 90°C; CPERF 70°C																									
Thermal Conductivity	Based on measurements obtained with guarded hot-plate apparatus in accordance with BS874-1973	0.034 W/mKat 20°C mean temperature																									
Fire Hazard Properties	AS/NZS 1530.3:1999	<table border="1"> <thead> <tr> <th>Product</th> <th>Plain</th> <th>CF</th> <th>BMF</th> <th>HD PERF</th> </tr> </thead> <tbody> <tr> <td>Ignitability</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Spread of Flame</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Heat Evolved</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Smoke Developed</td> <td>0</td> <td>1</td> <td>3</td> <td>3</td> </tr> </tbody> </table>	Product	Plain	CF	BMF	HD PERF	Ignitability	0	0	0	0	Spread of Flame	0	0	0	0	Heat Evolved	0	0	0	0	Smoke Developed	0	1	3	3
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Corrosion Resistance	BS 3958 part 5- 1969	pH 7.5; Incapable of corroding steel.																									
Compressive Resistance	Based on measurements obtained under normal compressive loads in accordance with BS2972-1975	Recovers to nominal thickness after removal of normal compression load																									
Moisture Absorption	When placed in a controlled atmosphere of 50°C and 95% relative humidity for 96 hours.	Less than 0.2% by volume.																									
Flow Resistivity		2.2 x 10 ⁴ mks Rayls/m.																									
Sample Specification		The insulation material shall be Fibretex Rockwool Building Blanket ___ mm thick (specify thickness) as manufactured by Bradford Insulation. Install Bradford Rockwool Building Blanket insulation in accordance with manufacturers written installation instructions.																									

Sound Absorption

Sound Absorption (NRC)	When tested in a reverberation chamber in accordance with AS 1045:1988	Thickness	Frequency (Hz)							
			mm	125	250	500	1000	2000	4000	5000
	Plain	25	0.18	0.29	0.69	0.86	1.05	1.20	1.16	0.71
		50	0.29	0.7	1.19	1.04	1.14	1.06	1.07	0.93
	BMF	25	0.15	0.33	0.74	0.94	1.03	1.04	0.98	0.76
		50	0.36	0.76	1.19	1.09	1.03	1.04	0.98	1.10
	HD PERF	25	0.14	0.38	0.87	1.07	1.06	0.90	0.79	0.85
		50	0.31	0.83	1.16	0.99	0.90	0.78	0.73	0.97
Velocity	Plain: 8m/sec; CF/CMF/PERF: 13m/sec; Any of the above covered with perforated metal: 23m/sec									