



Icerock®
Steinull hf.

PRODUCT SHEET

Icerock Ductwrap Marine

APPLICATION:

Icerock Ductwrap Marine provides excellent thermal and acoustic insulation for air conditioning, warm air and extract ducts, used in the internal and external environment, within plant rooms and boiler houses. Also used for insulation of water storage and expansion tanks.



DESCRIPTION:

Icerock Ductwrap Marine consists of high quality mineral wool rolls faced with Bright Class '0' reinforced aluminium foil and bonded together with PE glue. The Icerock mineral wool rolls are made from non-combustible, bio-soluble, basalt fiber. The fiber is mainly made from pure Icelandic basalt and consists mainly of silicon oxide with a number of other metallic oxides. The basalt is melted by hydro electric power, spun into fibers and binder added. The use of high performance melting and spinning technology ensures excellent consistency and high quality level. The rolls are easy to handle, extremely flexible and incorporate high levels of thermal conductivity, acoustic absorption and non-combustibility.

OPERATING TEMPERATURE:

The limiting temperature of the fiber is more than 1000 °C but the rolls should not be used where temperatures are continuously above 250 °C.

QUALITY CONTROL:

External quality control is carried out independently by the Innovation Centre Iceland and VTT Product Approval and Certification in Finland.

DIMENSIONS AND DENSITY:

Icerock Ductwrap Marine is available in two standard widths 600 and 900 mm.

Thickness: 25 – 60 mm.

Density: 38 – 45 kg/m³.

Length: 6,5 – 10 m (Variable length, according to thickness and density)

Other sizes and thicknesses can be delivered upon request.

PACKAGING:

The rolls are shrink wrapped in polythene and delivered loose (approx.. 800 pcs. in container) or on pallets in 40 feet containers as shown below:

Thickn. mm	Width mm	Length mm	Quantity in 40ft HC container with rolls stacked on Pallets			
			Pcs. on Pallet	Pallets in Cont.	Pcs. in. Cont.	m ² in Cont.
25	900	10000	28	21	588	5292
40	900	10000	21	20	420	3780
50	900	9000	21	20	420	3402
60	900	7500	21	20	420	2835

THERMAL CONDUCTIVITY:

10°C - 0,034 W/m°C	50°C - 0,038 W/m°C
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STANDARDS:

Icerock Ductwrap Marine is made from non-combustible inorganic stone wool. Produced and sold according to ISO 9001:2008 quality management system and CE marked according to EN 14303:2009. The production and sales of the Icerock products as well as the acquisition of the raw materials is certified according to the ISO 14001:2004 environmental management system which is important contribution to environmental sustainability and sustainable building.

Icerock Ductwrap Marine meets the requirements imposed in IMO FTPC, Part 1 (IMO Resolution MSC.61(67) Annex 1 Part 1) and in Marine Equipment Directive (96/98/EC amendments 98/85/EC, 2001/53/EC, 2002/75/EC, 2002/84/EC and 2008/67/EC) on non-combustible materials.

Icerock Ductwrap Marine meets the requirements imposed in IMO FTPC, Part 2, Part 5 and Annex 2 (IMO Resolution MSC.61(67) Annex 1 Part 2 and 5 and Annex 2) on Materials with low flame-spread characteristics and not producing excessive quantities of smoke and toxic products or not giving rise to toxic hazards at elevated temperatures and the provisions of Marine Equipment Directive (96/98/EC, amendments 98/85/EC, 2001/53/EC and 2002/75/EC and 2002/84/EC) that apply to surface materials with low flame-spread characteristics.

This product has been assigned a U.S. Coast Guard Module B number (164.109/EC0809) and (164.112/EC0809), to note type approval to Module B only as it pertains to obtaining U.S. Coast Guard approval as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" signed February 27th, 2004.

CUSTOMER SERVICE:

For further advice and information please contact Icerock Ltd. Iceland.
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