Conlit Ductrock

Fire-resistant insulation for air ducts

Product description

Conlit Ductrock is a non-combustible stone wool slab, covered on one side with fibreglass-reinforced aluminium foil. The slabs contain special granules, which release the water crystals trapped inside in the event of fire. The standard thickness of Conlit Ductrock is 60 mm. The weight of the slabs is dependent on the granules they contain.

Application

Conlit Ductrock has been developed to provide fire-resistant insulation for rectangular metal air ducts. Depending on the particular product used, it offers fire resistance of 60, 90 or 120 minutes, for both horizontal and vertical air ducts.

Conlit Ductrock

Product advantages

- Fire-resistant, acoustic and thermal insulation, all in one product;
- Saves space with a thickness of just 60 mm;
- No need for flange collars or hangers;
- Can be used on both horizontal and vertical ducts and for fire risks both inside and outside ducts;
- Can be used on both solid and light partition walls;
- Fast assembly using welded pins and/or parker screws;
- Easily workable, easy to cut and size;
- Sturdy and safe: tested compliant with the EN 1366-1:2001 European standard.

General properties ROCKWOOL stone wool

- Excellent thermal insulation properties; not affected by shrinkage or expansion, therefore prevents thermal leaks. No thermal ageing, so offers continuous insulation performance throughout the life of the building;
- Non-flammable, causes no smoke development and no noxious fumes in the event of fire. Resistant to temperatures up to above 1000°C. Does not cause flashovers. Highest reaction to fire classification level (Euroclass A1), compliant with NEN-EN 13501-1;
- Excellent sound-absorption properties; increases the acoustic insulation of a structure;
- Environmentally friendly, natural material that is fully recyclable. Makes a significant contribution to the sustainability of buildings;
- Water-repellent, non-hygroscopic and non-capillary;
- Chemically neutral and does not cause or promote corrosion;
- Does not provide a breeding ground for moulds.

Range

Fire resistance (minutes)	Thickness (mm)	Length (mm)	Width (mm)
60	60	1500	1000
90	60	1500	1000
120	60	1500	1000

Technical information

	Value	Standard
Thermal conductivity coefficient	λ_{10} = 0,040 (W/m.K)	EN ISO 8497
Euroclass	A1	EN 13501-1
Fire reaction	A2	DIN 4102-1
Vapour diffusion resistance of aluminium foil	$S_d \geq 200$ m	EN 12086

Fire resistance

- Netherlands:
  Fire resistance of 60 to 120 minutes, compliant with the following certificates:
  SVO-2006 Efectis-R0661: Relates to Conlit Ductrock 60, 90 and 120 products for horizontal and vertical rectangular air ducts with fire-resistance requirements of up to 120 minutes.
- Belgium:
  ISIB technical recommendations 2010 - A - 078, 079, 080. Relates to Conlit Ductrock 60, 90 and 120 products for horizontal and vertical rectangular air ducts with fire-resistance requirements of up to 120 minutes.

Handling

When applying fire-resistant insulation to air ducts, various details should be taken into account.

Storage

Conlit Ductrock is supplied on pallets, which must be protected from the weather and stacked no more than two layers high.

Technical Service

Please contact our Customer Service department with any technical questions.
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ROCKWOOL reserves the right to make changes to its products without notice. ROCKWOOL accepts no liability for any typesetting errors, other errors or omissions.

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