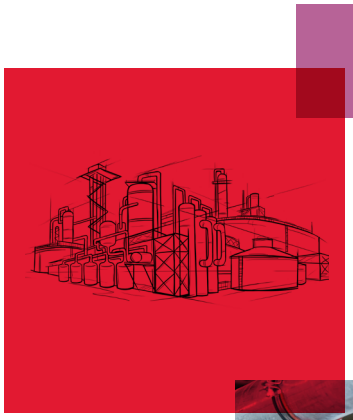
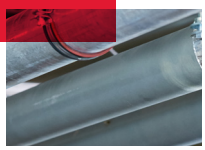
CONLIT fire protection of ventilation ducts

Product Datasheet







Ducts are required to have a fire resistance corresponding to the fire sections they pass through. Fire insulated ducts are tested according to the standard DS/EN 1366-1. For example, the overall classification is indicated as: EI60 (ve ho i ↔ o) A2-s1, d0.

The specification in the parenthesis indicates that the product is classified both for vertical and horizontal ducts, as well as for internal and external fire effects. An internal fire effect on ventilation systems occur due to several incoming and outgoing valves in the same fire cell.

The CONLIT range effectively prevents fire spreading via the ventilation system. Circular ducts are effectively insulated with CONLIT FIRE MAT. For rectangular ducts, CONLIT FIRE BOARD is used, but for EI30 CONLIT FIRE MAT can also be used.

CONLIT FIRE MAT and CONLIT FIRE BOARD are designed specifically for fire protection of ventilation ducts.

CONLIT Fire Board

CONLIT Fire Mat for fire protection of rectangular ventilation ducts

Product
ROCKWOOL CONLIT FIRE BOARD is made of non-combustible, moist- and water repellent stone wool. The product is designed to provide maximum fire protection. The front of the product is covered in a black reinforced aluminum foil. The back of the product is uncovered.

Application
ROCKWOOL CONLIT FIRE BOARD is used for fire protection of rectangular ventilation ducts. The product is tested and approved for fire classes EI30 to EI120. The product has also been fire tested according to EN1366-1.



CE A1

Technical Data

Area	Value							Standard
Thermal conductivity λ-value	tm °C	10	50	100	150	200	220	EN 12667/ EN 12939
	mW/m * K	36	41	48	58	68	73	
λ-value, calculation	$\lambda(T_m) = 3{,}345 \cdot 10^{-2} + 1{,}126 \cdot 10^{-4} \cdot t_m + 2{,}408 \cdot 10^{-7} \cdot t_m^2$							
Designation code	MW-EN-14303-T2-ST(+)250							
Max service temperature	250 °C							EN 14706
Fire classification	A1							EN 13501-1
Thickness tolerance	T2							EN 822/EN 823
Water absorption	Short-term water absorption ≤ 1 kg/m²							EN 1609

Assortment

SAP no.	DB no.	Fire protection	Thickness (mm)	Width (mm)	Length (mm)	Pcs.	Amount m²	Type
255343	1985662	EI30/E60	60	600	1000	3	1,8	Pack
258197	1988432	EI60	60	600	1000	2	1,2	Pack
255345	1985663	EI30/E60	60	600	1000	72	43,2	Pallet
258198	1985664	EI60	60	600	1000	80	48	Pallet
258201	1985665	EI90	80	600	1000	42	25,2	Pallet
258202	1985666	EI120	90	600	1000	36	21,6	Pallet

CONLIT Fire Mat

CONLIT Fire Mat for fire protection of both rectangular and rounded ventilation ducts

Product

ROCKWOOL CONLIT FIRE MAT is made of non-combustible, moist- and water repellent stone wool. The product is specifically designed to provide maximum fire protection. For products in fire class EI30 the front is finished with a black reinforced aluminium foil and 1" galvanized wire netting. For products in fire class EI60/EI90 the front is finished with a black polyester fleece and 1" galvanized wire netting. The back of the product is uncovered.

Application

ROCKWOOL CONLIT FIRE MAT is used for fire protection of ventilation ducts. The products are tested and approved for fire classes EI30 to EI90. The product has also been fire tested according to EN1366-1, and can be used for both circular and rectangular ventilation ducts.



Technical Data

Area	Value							Standard
Thermal conductivity λ-value	tm °C	10	50	100	150	200	220	EN 12667/ EN 12939
	mW/m • K	35	40	47	66	66	70	
λ-value, calculation	$\lambda(T_m) = 3{,}345 \cdot 10^{-2} + 1{,}126 \cdot 10^{-4} \cdot t_m + 2{,}408 \cdot 10^{-7} \cdot t_m^2$							
Designation code	MW-EN-14303-T2-ST(+)250							
Max service temperature	250 °C							EN 14706
Fire classification	A1							EN 13501-1
Thickness tolerance	T2							EN 822/EN 823
Water absorption	Short-term water absorption ≤ 1 kg/m²							EN 1609

Assortment

SAP no.	DB no.	Fire protection	Thickness (mm)	Width (mm)	Length (mm)	Pcs.	Amount m²	Type
258264	1985423	EI30/E60	50	600	4500	1	2,7	Roll
234101	1985573	EI30/E60	50	1000	3800	1	3,8	Roll
258266	1985439	EI30/E60	60	600	3200	1	1,92	Roll
234136	1985395	EI30/E60	60	1000	3200	1	3,2	Roll
258371	1985445	EI60/EI90	80	600	2500	1	1,5	Roll
258721	1985401	EI60/EI90	80	1000	2200	1	2,2	Roll
258261	1985587	EI30/E60	50	600	4500	18	48,6	Pallet
234070	1985578	EI30/E60	50	1000	3800	9	34,2	Pallet
258265	1985588	EI30/E60	60	600	3200	18	34,56	Pallet
234133	1985233	EI30/E60	60	1000	3200	9	28,8	Pallet
258374	1985589	EI60/EI90	80	600	2500	18	27	Pallet
258723	1985591	EI60/EI90	80	1000	2200	9	19,8	Pallet

For EI30 use a 50-mm mat for circular ducts and a 60-mm mat for rectangular ducts.

Quality assurance

ROCKWOOL A/S has a quality assurance system certified in accordance with DS/EN ISO 9001.
ROCKWOOL A/S is a member of VIF (Dansk forening af fabrikanter af varmeisoleringsmaterialer).

ROCKWOOL products are CE-certified and members of Keymark, the voluntary European certification mark of the European Committee for Standardisation (CEN).

ROCKWOOL A/S reserves the right to alter or amend the technical specifications of ROCKWOOL products without notice as they are under constant improvement. ROCKWOOL A/S has acceded to the clause for deliveries for building projects in Denmark.

ROCKWOOL A/S

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