

FIBRANgeo R-560

Stonewool Insulation Roll

Technical Data Sheet / June 2022



0751



Description

FIBRANgeo R-560 stonewool technical insulation roll is a natural inorganic fibrous product that is industrially produced from molten rock spun into fibres, in accordance with European Standard EN 14303 (MW – Factory made Mineral Wool Insulation products).

FIBRANgeo R-560 rolls can be produced with the following facings on one surface:

- **AL** (Aluminum foil reinforced with fibreglass net)

Applications

Rolls designed for thermal insulation, fire resistance and sound insulation applications in building equipment and industrial facilities.

- Ductwork
- Attic ceiling lining
- HVAC Systems
- Tank roofs
- Boilers
- Solar-Thermal collectors
- Max. Service Temperature 650 °C
- Max. Service Temperature of AL surface: 90 °C

Packaging

Thickness [mm]	Width [mm]	Length [mm]	Quantity / Roll [m ² /Roll]	Weight / Roll [kg/Roll]
30	1000	6000	6,00	11,70
40	1000	5000	5,00	13,00
50	1000	5000	5,00	16,25
60	1000	3000	3,00	11,70



Advantages

- Excellent thermal insulation
- Non-combustible material with excellent fire resistance
- Excellent sound absorption and sound reduction
- Open hive structure material with very low water vapour diffusion resistance that enhances the building element's breathability
- Excellent dimensional stability and durability
- Water repellent and non-hygroscopic
- Easy to handle, cut and install
- Natural, inorganic, odourless, chemically inert
- Recyclable, friendly to the environment and to the end user

FIBRAN^{geo} R-560

Stonewool Insulation Roll

Technical Data Sheet / June 2022

Technical characteristics

Designation Code:

MW (Mineral Wool) - EN 14303 - T2 - ST(+/250)650 - WS1 - AW1 - CL10 - F10 - PH10,5

Technical Characteristics	Symbol EN 14303	Unit	Value	EN Standard
Declared thermal conductivity at 10°C	λ_D	W/(mK)	0,035	EN 12667 EN 13787
Maximum Service Temperature	ST(+/250)	°C	650 Surface AL up to 90	EN 14706
Nominal thickness	d_N	mm	30 - 60	EN 823
Fire classification	-	Class	A1 (Non-combustible)	EN 13501-1
Melting temperature	-	°C	>1000	DIN 4102-17
Specific heat capacity	c	kJ/kg*K	1,03	ISO 10456
Thickness tolerance	T	Class	T2 (-5%, +15%)	EN 14303
Short term water absorption for 24 hours	WS	kg/m ²	<1	EN 1609
Content in water-dissolved chlorine, fluorine ions and PH value	CL, F, PH	mg/kg	<10 AS-quality for use over stainless steel. PH-value neutral to slightly alcaline	EN 13468
Weighted sound absorption coefficient on boards with thickness 50mm, α_w	AW	-	1 (Class A)	EN ISO 11654 EN ISO 354
Density, ρ	-	kg/m ³	65	EN 1602

Declared thermal conductivity λ_D

Mean Temperature	θ_M	°C	50	100	150	200	250	300	350	400	500	600	650	EN 14303
Declared Thermal Conductivity	$\lambda_{N,P}$	W/mK	0,039	0,046	0,054	0,063	0,075	0,087	0,101	0,116	0,151	0,193	0,221	EN 12667 EN 13787



FIBRAN S.A
6th km Thessaloniki - Oreokastro Rd.
P.O. Box 40306, A.C. 564 10
Thessaloniki, Greece
Tel. +30 2310 682 425. 692 700
Fax. +30 2310 683 131

info@fibran.gr
www.fibran.gr

FIBRAN reserves the right to alter or amend product specifications without notice. The information included in this publication is correct to the best of our knowledge at the time of printing. Whilst FIBRAN will endeavour to ensure publications are up to date, it is the user's responsibility to check with the company the validity of the information prior to the material's use.