

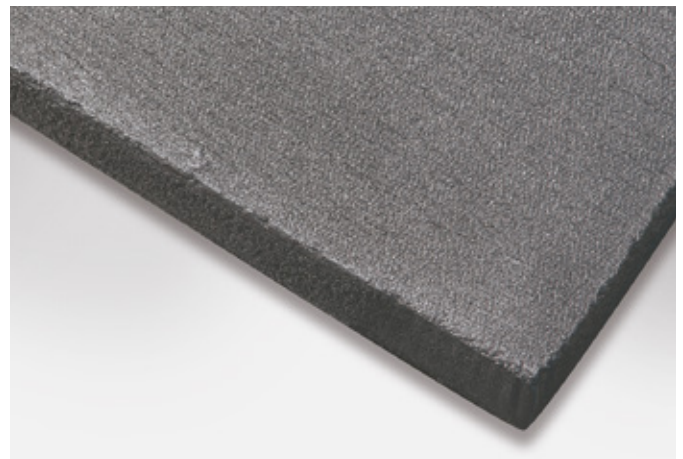
ECOPHIT[®] L and LN

Lightweight graphite board made from expanded natural graphite

ECOPHIT L lightweight board is a homogeneous, binder-free material made from expanded natural graphite. It has a good thermal and electrical conductivity, is lightweight, compressible, chemical resistant and non-flammable [reaction to fire class A2-s1, d0]. Pipe meanders can be pressed into the ECOPHIT L lightweight board.

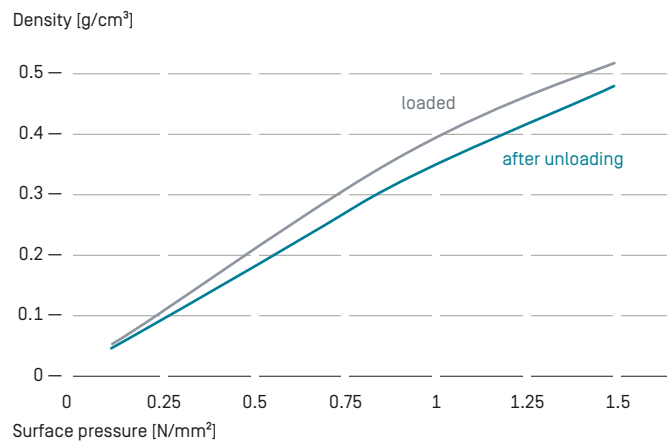
The graphite's high thermal conductivity enables e. g. cooling ceiling systems equipped with ECOPHIT L lightweight boards to provide excellent temperature distribution across the surface. ECOPHIT L is used as a thermally conductive layer for thermal component activation, such as concrete ceilings or concrete structures.

ECOPHIT L lightweight boards are available in various dimensions and area weights and are supplied in sheet form. Low contents of halogens and sulphur of less than 200 ppm each avoid corrosion caused by impurities as good as possible.

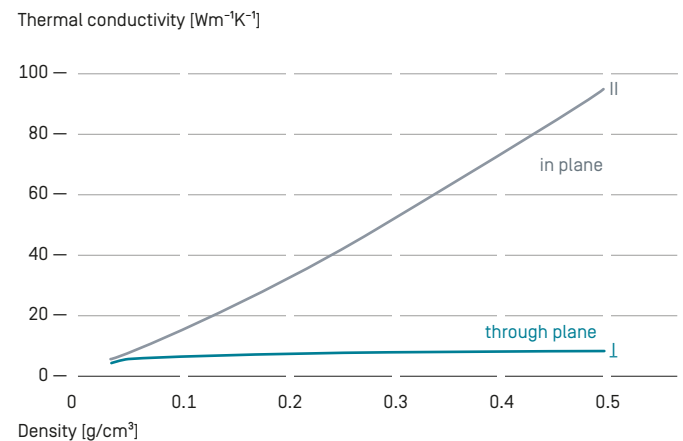


↑ ECOPHIT L lightweight graphite board

Typical density of ECOPHIT L as a function of compression



Typical thermal conductivity of ECOPHIT L as a function of density



Material data of ECOPHIT® L lightweight graphite board

Typical properties	Units	L10/750	L15/750	L15/1000	L20/1000	L20/1500	L30/1500
Thickness	mm	10	15	15	20	20	30
Length	mm	400 – 3000	400 – 3000	400 – 3000	400 – 3000	400 – 3000	400 – 3000
Width	mm	300 – 1290	300 – 1290	300 – 1290	300 – 1290	300 – 1290	300 – 1290
Area weight	g/m ²	750	750	1000	1000	1500	1500
Density	g/cm ³	0.075	0.05	0.067	0.05	0.075	0.05
Carbon content	%	> 95	> 95	> 95	> 95	> 95	> 95

Other dimensions and combinations on request. Please contact us.

ECOPHIT LN lightweight laminated graphite board is an ECOPHIT L board that has been laminated to a fleece (non woven). As a result the lightweight board is more stable and easier to handle.

Material data of ECOPHIT® LN lightweight laminated graphite board

Typical properties*	Units	LN15/750
Thickness	mm	15
Length	mm	400 – 3000
Width	mm	400 – 1290
Area weight	g/m ²	750
Density	g/cm ³	0.05
Carbon content	%	> 95

* referring to graphite sheet (without fleece)

Other dimensions and combinations on request. Please contact us.



↑ ECOPHIT LN lightweight laminated graphite board

Unless stated otherwise, all values are valid at room temperature, typical, non-binding and subject to change. For any engineering/design purposes please always contact our technical sales team.



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TDS ECOPHIT_L_LN.01

05 2020/0 1NÄ Printed in Germany

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