GEO FOAM

LE GROUPE LEGERLITE INC.

DATA SHEET LEGERLITE GEO MTQ

DESCRIPTION

Legerlite GEO MTQ

Blocks of various sizes made with EPS beads containing a flame retardant.

PRODUCT DATA

Dimensions

› 48" x 96" x 30"
› 48" x 192" x 30"

Cutting sizes available based on the requirements of the specifications..

EVALUATION

LEED

› Certified INTERTEK ETL SEMKO
› Conforms to the CAN/ULC-S701 standards
› Conforms to the 14301 standards of the CCDG
(Type A and B MTQ insulation)

PHYSICAL PROPERTIES	ASTM TEST	UNIT	GEO15 TYPE B	GEO20 TYPE B	GEO30	GEO40 TYPE A	GEO60 TYPE A
Nominal density	C-303	kg/m3	20	25	30	38,4	56
Thermal resistance at 24 °C (min.)	C-518	m². °C/W/25mm	0,70	0,74	0,75	0,75	0,75
Compressive strength at 10% distortion (min.)	D-1621	kPa	110	140	210	276	414
Compressive strength at 5% distortion (min.)	D-1621	kPa	90	117	175	241	364
Compressive strength at 1% distortion (min.)	D-1621	kPa	40	52	77	103	151
Compression module (min.) 75mm	D-1621	kPa	4000	5000	7500	9000	15 000
Bending strength (min.)	C-203	kPa	241	276	345	414	517
Dimensional stability: % of linear change (max.)	D-2126	%	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5
Coefficient of linear expansion (max.)	D-696	mm/mm/ °C	$6x10^{-5}$	$6x10^{-5}$	$6x10^{-5}$	$6x10^{-5}$	$6x10^{-5}$
Water vapour permeability (max.)	E-96	ng/Pa.s.m2	200	160	130	130	130
Water absorption (max.)	D-2842	%	4	3	2	2	2
Application temperature (max.)	Constant	°C	75	75	75	75	75
	Intermittent	°C	82	82	82	82	82
Flame spread rating	(CAN/ULC S102,2 M)	-	250	250	250	170	170
Smoke developed	(CAN/ULC S102,2 M)	-	410	410	410	> 500	> 500

GARANTEE

Groupe Legerlite certifies that the product conforms to the CAN/ULC -S701 standards (Intertek).

UV DEGRADATION

Extended exposure to UV rays will cause a slight discolouration and erosion of the block's surface. The impact on the product's insulating properties will be minimal, unless UV exposure is such that thickness diminishes as a result. To avoid UV degradation, the block must be covered as soon as possible.

NOTES

- EPS beads should be considered flammable when subjected to a source of intense heat or a constant strong flame.
- The material includes a flame retardant.
- Vulnerable to petroleum-based solvents.
- Unaffected by repeated freeze-thaw cycles.
- Environmentally neutral / No leachate or risk of soil or water contamination.
- Robust, resistant and long-lasting.
- Contains no CFC, HCFC or HFC.