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USLPore® Block

Contact
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Product description

USLPore® can be used for various types of blocks for every masonry wall system. It fulfills all requirements for a modern masonry unit and can substitute CMUs (Concrete Masonry Unit) AAC (Autoclaved Aerated Concrete) or clay bricks.

Environmental-friendly manufactured it is a very cost effective construction material, durable and sustainable for all climatic regions. It combines a good insulation effect (due to the embedded air) with structural characteristics.

USLPore® can also be used for the manufacturing of interlocking blocks.

Highlights

- Durable and sustainable
- Faster building
- Energy saving, excellent insulation
- Fireproofed construction material
- Fully recyclable (ordinary construction waste)

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Specification

Metric			**USLPore®500-600**
	Standard	entity	Value
dry bulk density $\rho_{105\,°C}$	DIN EN 1602 [2]	[kg/m³]	500-600
moisture absorption $\Delta_{m,\,23/80}$	DIN EN ISO 12571 [3]	[%]	<19.0
thermal conductivity $\lambda_{10,\,tr}$	DIN EN 12667 [13]	[W/mK]	0.12-0.17
compressive strength $\sigma_{10\%}$	DIN EN 826 [4]	[MPa]	2.5-4.0
tensile strength σ_{mt}	DIN EN 1607 [5]	[MPa]	0.8-1.25
bending / flexural strength σ_b	DIN EN 12089 Methode B [6]	[MPa]	0.8-1.25
fire behaviour	DIN EN 13501		A1
steam diffusion µ	DIN EN ISO 12572 [10]		<4.0
Dimension stability	DIN EN 1604 [11]	[%]	<0.1

Imperial			**USLPore®500-600**
	Standard	entity	value
dry bulk density $\rho_{105\,°C}$	ASTM C 1693	[pcf]	31.2-37.5
moisture absorption $\Delta_{m,\,23/80}$	ASTM C 1693	[%]	<19.0
thermal conductivity $\lambda_{10,\,tr}$	ASTM C 177 ASTM C 518	[R-value per in] Dry	1.2-1.6
compressive strength $\sigma_{10\%}$	ASTM C 1693	[PSI]	360-580
tensile strength σ_{mt}	ASTM C496 ASTM C1660	[PSI]	115-186
bending / flexural strength σ_b	ASTM C 1609	[PSI]	115-186
fire behaviour	ASTM E84 ASTM E136		non combustible
Dimension stability	ASTM C 1693	[%]	<0.1

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