

# USLPore® Light Gauge Steel



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## Product description

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USLPore® can be applied to cast monolithic walls at site. First the whole Light Gauge Steel (LGS) frame structure has to be installed. The frame structure will be covered by a shuttering system. USLPore® will be manufactured and pumped into the wall system afterwards.

The use of USLPore® technology in opposite to other competitor products is leading to an excellent stability and therefore a completely consistent result. There is no variation in density over the whole wall height. With USLPore® using LGS walls up to 3 meters in height can be poured. The density can be varying between 200 kg/m<sup>2</sup> for non-load bearing walls up to 1400 kg/m<sup>3</sup> for load bearing walls.

## Highlights

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- Time and costs saving construction method
- Consistency of density for full wall height
- Fireproofed construction material
- Sustainable construction material



## Specification

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Metric	USLPore®200-800		
	Standard	entity	Value
dry bulk density $\rho_{105\text{ °C}}$	DIN EN 1602 [2]	[kg/m <sup>3</sup> ]	200-800
thermal conductivity $\lambda_{10, \text{tr}}$	DIN EN 12667 [13]	[W/mK]	0.06 - 0.23
compressive strength $\sigma_{10\%}$	DIN EN 826 [4]	[MPa]	0.35-5.0

Imperial	USLPore®200-800		
	Standard	entity	value
dry bulk density $\rho_{105\text{ °C}}$	ASTM C 1693	[pcf]	12.5-49.9
thermal conductivity $\lambda_{10, \text{tr}}$	ASTM C 177 ASTM C 518	[R-value per in]	0.6-2.4
compressive strength $\sigma_{10\%}$	ASTM C 1693	[PSI]	50.4-720

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The information contained in this product specification is based on our current state of knowledge and experience. It does not free the user from making his own tests and trial applications. A legally binding assurance of certain properties cannot be inferred from this information. Any existing patent rights as well as any pertinent legal regulations must be observed by the recipient of our products under his own responsibility.