

USLPore® Insulation Floor Slab



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Product description

USLPore® is a special foam concrete for thermal insulation under the floor slab of various building types. It is produced directly on the construction site and replaces cost-intensive products such as extruded polystyrene (XPS) or expanded polystyrene (EPS), is much faster to apply and has excellent insulating properties. It is lighter in density compared to competitor products, can therefore be applied more thinly and has better insulating properties.

Highlights

- Fast construction process
- Excellent insulation effect
- Early walk-on stability
- Fireproofed construction material



Specification

Metric	USLPore®200-400		
	Standard	Entity	value
dry bulk density $\rho_{105\text{ °C}}$	DIN EN 1602 [2]	[kg/m ³]	200-400
thermal conductivity $\lambda_{10, \text{tr}}$	DIN EN 12667 [13]	[W/mK]	0.045-0.080
compressive strength $\sigma_{10\%}$	DIN EN 826 [4]	[KPa]	250-900

Imperial	USLPore®200-400		
	Standard	entity	value
dry bulk density $\rho_{105\text{ °C}}$	ASTM C 1693	[pcf]	9.4-18.7
thermal conductivity $\lambda_{10, \text{tr}}$	ASTM C 177 ASTM C 518	[R-value per in]	1.9-2.9
compressive strength $\sigma_{10\%}$	ASTM C 1693	[PSI]	37-132

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