

USLPore® Road/Rail Sub-Base



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Product description

USLPore® can be used in road and rail construction to reduce the overall heavy weight of the road and rail structure. This building method is particularly applied in areas of soft ground. Specifically if lighter filling materials have to be collected from far distance it makes sense to use USLPore® to bring down the involved costs for road and rail construction projects. Typically also the road ramps are sub-based by USLPore®.

Highlights

- No transportation, on-site production
- Reduction of carbon dioxide footprint
- Alternative for foam glass, aerated clay and other filling materials
- Void filling ability, adjustable viscosity due to various additives
- Fireproofed construction material
- Fully recyclable



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]	0.06-0.10
compressive strength $\sigma_{10\%}$	DIN EN 826 [4]	[MPa]	0.35-1.3

Imperial	USLPore®200-400		
	Standard	entity	value
dry bulk density $\rho_{105\text{ °C}}$	ASTM C 1693	[pcf]	12.5-25.0
thermal conductivity $\lambda_{10, \text{tr}}$	ASTM C 177 ASTM C 518	[R-value per in]	1.5-2.4
compressive strength $\sigma_{10\%}$	ASTM C 1693	[PSI]	51-187

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