

USLPore® Roof Insulation



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Product description

USLPore® Roof Insulation is an aerated insulation materials for flat roofs or roofs with slight slope. It can be easily applied with mobile equipment. USLPore® Roof Insulation has to be applied in combination with a water-proofing layer also in case of humid regions.

In opposite to competitors, who usually offers dry density technology with 400 kg/m³ in order to guarantee sufficient stability and compressive strength, USLPore® can be applied at only 200 up to 300 kg/m³ dry density. Therefore the necessary cement quantity can be reduced up to 50%. This is reducing the carbon dioxide footprint tremendously.

Highlights

- Fast construction process
- Excellent insulation effect
- Eearly 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]	0.06-0.10
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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