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USLPore® Floor Subfilling

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Product description

USLPore® Floor Subfilling can be cast under floor screeds as a stable compensation and filling layer with insulating properties. It is accessible as soon as the day after application. An additional supply of energy for the curing process is not required.

On top normally the final floor screed can be applied if the density of the Subfilling is very low. In some countries also higher densities for USLPore® Floor Subfilling are applied to placed directly tiles on top.

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 dioxid footprint tremendously.

Highlights

- Fireproofed construction material
- Fully recyclable (ordinary construction waste)
- Time and personnel resource-saving application and installation
- Lighter and better insulation than competitors (200 to 300 kg/m³ dry density)
- Early walk on stability
- Lower cement quantity and carbon dioxid footprint

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Specification

Metric	USLPore®200-400		
	Standard	entity	value
dry bulk density $\rho_{105\,°C}$	DIN EN 1602 [2]	[kg/m³]	200-400
thermal conductivity $\lambda_{10,\,tr}$	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 $\rho_{105\,°C}$	ASTM C 1693	[pcf]	12.5-25.0
thermal conductivity $\lambda_{10,\,tr}$	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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