

USLPore® Geofill



Contact

USLPore Europe GmbH
Goerzallee 309
14167 Berlin
Germany

Email: info@uslpore.com
Phone: +49 30 23321149-0

Product description

USLPore® is produced directly on-site. Therefore unwanted transportation costs to truck for example foam glass or aerated clay can be fully avoided. The viscosity of USLPore® can be adjusted due to various additives during the production process.

Typical applications are:

- Filling of unwanted voids such as old pipelines or service shafts
- Stabilization in case of bridge abutments or tunneling
- Stabilizing after landslides or in case of old mines

USLPore® is used also if diameters of larger pipelines or water supply lines have to be reduce. In a first step the new pipe with smaller diameter will be placed in the old pipe. The empty space will than be filled with USLPore® to avoid any change of positon of the new pipe as to reduce any occurring vibrations due to the upcoming flows.

Highlights

- No transportation, on-site production
- Reduction of carbon dioxide footprint
- Alternative for foam glass or aerated clay
- 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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