

## LithoPore® LPAC Cast at Site Wall using LGS Frame



[www.blauer-engel.de/uz132](http://www.blauer-engel.de/uz132)

- low emissions
- low pollutant content
- no adverse impact on health in the living environment

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## Product description

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**LithoPore® - LPAC Cast at Site Wall using LGS frame** can be applied to cast monolithic walls at site. First the whole Light-Gauge Steel (LGS) frame structure has to be installed. Then cement fibre boards or MGO boards are applied on the outside of the steel structure. LPAC will be manufactured and pumped into the wall system afterwards.

The use of LPAC technology in opposite to other competitor products is leading to an excellent stability and therefore a completely consistent result. There is no variation in density if different parts of the wall are controlled by density. With LithoPore® - LPAC Cast at Site Wall using form work walls up to 3 meters in height can be poured. The density can be varying between 200 kg/m<sup>2</sup> for non-load bearing walls up to 800 kg/m<sup>3</sup> for load bearing walls. So the applicator can decide whether to have a heavier product with high compressive strength and lower insulation effect or the reverse, an insulating product with sufficient compressive strength.

## Highlights

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- Fireproofed (totally inorganic)
- Fully recyclable (ordinary construction waste)
- Sustainable
- Consistent
- Stable





## Specification

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Metric	LithoPore200-800		
	Standard	entity	value
dry bulk density $\rho_{105\text{ }^{\circ}\text{C}}$	DIN EN 1602 [2]	[kg/m <sup>3</sup> ]	200-800
thermal conductivity $\lambda_{10, \text{tr}}$	DIN EN 12667 [13]	[W/mK]	0,06 - 0,23
compressive strength $\sigma_{10\%}$	DIN EN 826 [4]	[MPa]	0.25-6

Imperial	LithoPore200-800		
	standard	entity	value
dry bulk density $\rho_{105\text{ }^{\circ}\text{C}}$	ASTM C 1693	[pcf]	12.5-49.9
thermal conductivity $\lambda_{10, \text{tr}}$	ASTM C 177 ASTM C 518	[R-value per in]	0.63-2.4
compressive strength $\sigma_{10\%}$	ASTM C 1693	[PSI]	37-882



The information contained in this product specification is based on our current state of knowledge and experience. It does not free the user from making his own tests and trial applications. A legally binding assurance of certain properties cannot be inferred from this information. Any existing patent rights as well as any pertinent legal regulations must be observed by the recipient of our products under his own responsibility.