

LithoPore® LPAC Pre Cast Wall Panel Using LGS Frame



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

LithoPore® - LPAC Pre Cast Wall Panels using LGS Frame is a very modern construction material. The panels are using a light-gauge-steel structure for the load bearing part and LPAC only as an Infill material. The panels can be either constructed with a cement fibre board or MGO board as the outer cover or using a form work, that will be removed after pouring again.

Panels will be cast under vertical position. So LPAC has to be cast into the height of one respective story (2,5 to 3,0 meters) normally. 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 Pre Cast Wall Panels using LGS Frame walls up to 3 meters in height can be poured. The density can be varying between 200 kg/m² for non-load bearing walls up to 800 kg/m³ 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

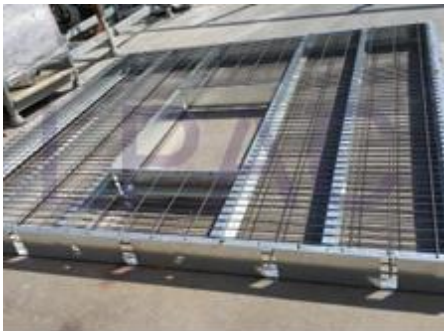
- Fireproofed (totally inorganic)
- Fully recyclable (ordinary construction waste)
- Sustainable
- Consistent
- Stable
- Quicker and cheaper construction method



Specification

| Metric | LithoPore500-600 | | |
|---|-------------------|----------------------|-------------|
| | Standard | entity | value |
| dry bulk density $\rho_{105\text{ }^\circ\text{C}}$ | DIN EN 1602 [2] | [kg/m ³] | 500-600 |
| thermal conductivity $\lambda_{10, \text{tr}}$ | DIN EN 12667 [13] | [W/mK] | 0.12 - 0.17 |
| compressive strength $\sigma_{10\%}$ | DIN EN 826 [4] | [MPa] | 3.0-4.0 |

| Imperial | LithoPore500-600 | | |
|---|--------------------------|------------------|-----------|
| | standard | entity | value |
| dry bulk density $\rho_{105\text{ }^\circ\text{C}}$ | ASTM C 1693 | [pcf] | 31.2-37.5 |
| thermal conductivity $\lambda_{10, \text{tr}}$ | ASTM C 177 ASTM C 518 | [R-value per in] | 1.2-1.6 |
| compressive strength $\sigma_{10\%}$ | ASTM C 1693 | [PSI] | 435-580 |



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.