

LithoPore® LPAC Sound Walls



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 Sound Walls is a product specifically developed for sound barriers for example at highways. With a specific optimized porous structures, that is achieved with different foaming agents, is suitable to increase the sound absorption effect in opposite to ordinary concrete substantially. Combined with lower weight LithoPore® - LPAC Sound Walls is an excellent alternative for any manufacturer in the field of pre fabrication.

Highlights

- Fireproofed (totally inorganic)
- Low weight
- Sound absorbing effect

Specification

| Metric | LithoPore200-800 | | |
|---|-------------------|----------------------|-------------|
| | Standard | entity | value |
| dry bulk density $\rho_{105\text{ °C}}$ | DIN EN 1602 [2] | [kg/m ³] | 200-800 |
| thermal conductivity $\lambda_{10, tr}$ | 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 $\rho_{105\text{ °C}}$ | ASTM C 1693 | [pcf] | 12.5-49.9 |
| thermal conductivity $\lambda_{10, tr}$ | ASTM C 177 ASTM C 518 | [R-value per in] | 0.63-2.4 |
| compressive strength $\sigma_{10\%}$ | ASTM C 1693 | [PSI] | 37-882 |

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