

## USLPore® Sound Walls



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## Product description

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USLPore<sup>®</sup> as a specific foam concrete or cellular lightweight concrete is developed for sound barriers for example at highways. With a specific optimized porous structures, that is achieved with different USLPore<sup>®</sup> foaming agents, its suitable to increase the sound absorption effect in opposite to ordinary concrete substantially. Combined with lower weight USLPore<sup>®</sup> is an excellent alternative for any manufacturer in the field of prefabrication.

## Highlights

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- Specific pore structure to maximize the sound absorption
- Low Weight
- Suitable for prefabricators

## Specification

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| Metric   | USLPore®200-800   |                      |             |
|--|-------------------|----------------------|-------------|
|  | Standard          | entity               | Value       |
| dry bulk density $\rho_{105\text{ °C}}$        | 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]                | 0.35-5.0    |

| Imperial                                       | USLPore®200-800          |                  |           |
|--|--------------------------|------------------|-----------|
|  | Standard                 | entity           | value     |
| dry bulk density $\rho_{105\text{ °C}}$        | ASTM C 1693              | [pcf]            | 12.5-49.9 |
| thermal conductivity $\lambda_{10, \text{tr}}$ | ASTM C 177<br>ASTM C 518 | [R-value per in] | 0.6-2.4   |
| compressive strength $\sigma_{10\%}$           | ASTM C 1693              | [PSI]            | 50.4-720  |

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