# Declaration of performance

## No 085 – LSW System Leube

1. Unique identification code of the product type:
   **Noise protection facility according to EN 14388**
   The building product is identified by the item number in combination with the dimensioning documentation.

2. Intended use:
   **Highly absorbent noise protection facility for reducing noise along traffic routes, absorptive on one or both sides**

3. Name, registered trade name or registered trade mark and contact address of the manufacturer as required according to article 11, par. 5:

   **Leube Betonteile GmbH & Co KG**
   Glemmerstraße 31
   5751 Maishofen
   T +43 6542 / 80 400-0,
   E betonteile@leube.eu

4. System or systems for evaluation and verification of performance reliability for the building product according to annex V:
   **For noise protection facilities: System 3**

5. The notified body

   **MFPA Leipzig GmbH**
   Hans-Weigl-Str. 2b
   04319 Leipzig
   (NB 800)

   has performed the initial type testing of the noise protection facility in accordance with system 3 and issued the test reports
   - No. PB 2.1/12-258-1 FASETON Block
   - No PB 2.1/12-666-2 FASETON Welle
   - No PB 2.1/12-666-1 FASETON Hohlwelle
   - No PB 2.1/12-666-3 FASETON Pilz

6. Declared performance
   **See Annex A**

7. The performance of the product in accordance with number 1 and 2 corresponds to the declared performance in accordance with number 6. The manufacturer specified in number 3 is solely responsible for issuing this declaration of performance.

Signed for the manufacturer and on behalf of the manufacturer:

**Maishofen, 04.05.2022**
*(Place and time of execution)*

Leube Betonteile GmbH & Co KG
Glemmerstraße 31
5751 Maishofen
Österreich

**www.leube.eu**

**Hans Laner**
**R&D**
*(Name and position)*
*(Signature)*

**Anton Steiner**
**technical Director**
*(Name and position)*
*(Signature)*

Leube

## Annex A:

| Significant characteristics | Performance FASETON Block | Performance FASETON Welle | Performance FASETON Hohlwelle | Performance FASETON Pilz | Harmonised technical specification |
|---|---|---|---|---|---|
| Sound absorption $DL_a$ | > 4 dB, Group A2<br>> 8 dB, Group A3<br>EN 1793-1 | > 8 dB, Group A3<br>EN 1793-1 | > 11 dB, Group A3<br>EN 1793-1 | > 11 dB, Group A3<br>EN 1793-1 | EN 14388:2015 |
| Airborne sound insulation $DL_R$ | > 24 dB, Group B3 - EN 1793-2 | | | | |
| Resistance to loads | | | | | |
| Self weight | | | | | |
| Wet | NPD | | | | |
| reduced wet weight | NPD | | | | |
| Dry | NPD | | | | |
| Maximum normal load (90°) an acoustic panel can withstand (wind and static load) | 3.20 KN/m² - EN 1794-1 resp. acc. to statistics | | | | |
| Maximum vertical load a panel can withstand (loads from panels above) | NPD | | | | |
| Maximum normal load (90°) a structural element can withstand (due to wind, static external and self weight) | Weight-bearing elements are not part of the product | | | | |
| Highest bending moment a structural element can withstand (dynamic loads from snow clearance) | Weight-bearing elements are not part of the product | | | | |
| Maximum normal load (90°) an acoustic panel can withstand (dynamic loads from snow clearnace) | 10 KN / (2m x 2m) - EN 1794-1<br>15 KN / (2m x 2m) - EN 1794-1 | | | | |
| Resistance to impact from stones (resistance to stone impact) | Class 4 – EN 1794-1 | | | | |
| Risk of falling debris | Class 4 – EN 1794-2 | | | Class 2 – EN 1794-2 | |
| Resistance to brush fire | Class 3 – EN 1794-2 | | | | |
| Durabiilty | NPD | | | | |
| Acoustic parameters | | | | | |
| Change in sound absorption $DL_a$ after (5, 10, 15 and 20 years) | NPD | | | | |
| Change in airborne sound insulation $DL_R$ after (5, 10, 15 and 20 years) | NPD | | | | |
| Non-acoustic parameters | | | | | |
| Resistance to de-icing salt | Passed test (mass loss > 10%) | | | | |
| Geometric data, structural design and mechanial stability see dimensioning documentation. | | | | | |

Leube Betonteile GmbH & Co KG
Glemmerstraße 31
5751 Maishofen
Österreich

T +43 6542 / 80 400-0
E betonteile@leube.eu
www.leube.eu

Raiffeisenverband Salzburg
AT81 3500 0000 0304 7370
RVSAAT2S

FN 518811h
ATU 74721367
LG Salzburg