



## Declaration Of Performance

NO-211100-CPR

|  |   |
|--|---|
| <b>Product type ID</b>                       | Sundolitt® XPS  |
| <b>Intended use</b>                          | Insulating, load-bearing and frost protection of applications inside and outside buildings. |
| <b>Producer</b>                              | Brødr. Sunde as, Postboks 8115 Spjelkavik, N-6022 Ålesund. Tlf.: 70 17 70 00.               |
| <b>System of assessment and verification</b> | System 3 i henhold til NS-EN 13164:2012+A1:2015.  |
| <b>Harmonized product standard</b>           | NS-EN 13164:2012+A1:2015. Notified body: 1235, 0432, 0672, 0402.                            |

| Essential properties         | XPS200      |       | XPS250      |       | XPS300      |       | XPS400      |       | XPS500      |       | XPS700      |       | Standard |
|------------------------------|-------------|-------|-------------|-------|-------------|-------|-------------|-------|-------------|-------|-------------|-------|----------|
|                              | $\lambda_D$ | $R_D$ | $\lambda_D$ | $R_D$ | $\lambda_D$ | $R_D$ | $\lambda_D$ | $R_D$ | $\lambda_D$ | $R_D$ | $\lambda_D$ | $R_D$ |          |
| Insulating properties 30 mm  | 0,033       | 0,90  |             |       |             |       |             |       |             |       |             |       | 12667    |
| Insulating properties 50 mm  |             |       | 0,033       | 1,50  | 0,033       | 1,50  | 0,034       | 1,45  | 0,034       | 1,45  | 0,034       | 1,45  | 12667    |
| Insulating properties 60 mm  |             |       |             |       | 0,034       | 1,75  |             |       |             |       |             |       | 12667    |
| Insulating properties 70 mm  |             |       |             |       | 0,034       | 2,05  |             |       |             |       | 0,034       | 2,05  | 12667    |
| Insulating properties 75 mm  |             |       |             |       | 0,034       | 2,20  |             |       |             |       |             |       | 12667    |
| Insulating properties 80 mm  |             |       |             |       | 0,034       | 2,35  |             |       | 0,034       | 2,35  |             |       | 12667    |
| Insulating properties 100 mm |             |       | 0,036       | 2,85  | 0,036       | 2,85  | 0,036       | 2,85  | 0,036       | 2,85  | 0,036       | 2,85  | 12667    |
| Insulating properties 120 mm |             |       |             |       | 0,041       | 2,90  |             |       |             |       |             |       | 12667    |
| Insulating properties 150 mm |             |       |             |       | 0,041       | 3,65  |             |       |             |       |             |       | 12667    |

|                                      |                   |                   |                   |                   |                   |                   |             |
|--------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------|
| Length and Width                     | L1 - W1           | L1 - W1           | L1 - W1           | L1 - W1           | L1 - W1           | L1 - W1           | 822         |
| Squareness                           | S1                | S1                | S1                | S1                | S1                | S1                | 824         |
| Flatness                             | P1                | P1                | P1                | P1                | P1                | P1                | 825         |
| Thickness                            | T1                | T1                | T1                | T1                | T1                | T1                | 823         |
| Reaction to fire classification      | Eurocl. F         | Eurocl. F         | Eurocl. F         | Eurocl. F         | Eurocl. F         | Eurocl. F         | 13501-1     |
| Reaction to fire against ageing      | No change         | No change         | No change         | No change         | No change         | No change         | 13501-1     |
| Insulation properties against ageing | No change         | No change         | No change         | No change         | No change         | No change         | 13164       |
| Dimensional stability                | DS(23,90)         | DS(23,90)         | DS(23,90)         | DS(23,90)         | DS(23,90)         | DS(23,90)         | 1604        |
| Compressive stress or strength       | CS(10\Y)200       | CS(10\Y)250       | CS(10\Y)300       | CS(10\Y)400       | CS(10\Y)500       | CS(10\Y)700       | EN 826      |
| Long term water abs. by immersion    | WL(T)0,7          | WL(T)0,7          | WL(T)0,7          | WL(T)0,7          | WL(T)0,7          | WL(T)0,7          | EN 12087    |
| Long term water abs. by diffusion    | WD(V)3            | WD(V)3            | WD(V)3            | WD(V)3            | WD(T)3            | WD(T)3            | EN 12088    |
| Freezw/thaw resist. by diffusion     | FTCD1             | FTCD1             | FTCD1             | FTCD1             | FTCD1             | FTCD1             | EN 12091    |
| Water vapor permeability             | MU <sub>150</sub> | MU <sub>150</sub> | MU <sub>150</sub> | MU <sub>150</sub> | MU <sub>150</sub> | MU <sub>150</sub> | EN 12086    |
| Discharge of hazard. substances      | Low emitting      | Low emitting      | Low emitting      | Low emitting      | Low emitting      | Low emitting      | ISO 16000-9 |

The performance of the product is in compliance with the declared values. This DoP is issued in compliance with the regulation (EU) 305/2011.

Signed on behalf of the producer by:

**Karl Martin Sagstuen, Production manager**  
Ålesund, 3. mars 2020