DECLARATION OF PERFORMANCE

LEXAN™ EXELL™ D Sheet 9.5mm gauge color WH4D348O and WH7D287O

1. Element allowing identification of the construction product:
   EXELLD

2. Intended use:
   For internal and external use in roofs, walls and ceilings

3. Manufacturer:
   SABIC
   Plasticslaan 1
   4612 PX Bergen op Zoom
   Netherlands
   Tel. +31164293684
   Fax: +31164293272
   Email: ff.info@sabic.com

4. System of Assessment and Verification of Constancy of Performance (AVCP):
   AVCP System 3 for all characteristics

5. In case of the declaration of performance concerning a construction product covered by a harmonized standard:
   NPD

6. Declared performance:
   All characteristics listed in the table below are determined following harmonized standard EN 16240: 2013 Light transmitting flat solid polycarbonate (PC) sheets for internal and external use in roofs, walls and ceilings – Requirements and test.

7. Declared performance:

<table>
<thead>
<tr>
<th>Essential characteristics</th>
<th>Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>External fire performance</td>
<td>F_{ROOF} (NPD)</td>
</tr>
<tr>
<td>Reaction to fire</td>
<td>F (NPD)</td>
</tr>
<tr>
<td>Resistance to fire</td>
<td>NPD</td>
</tr>
<tr>
<td>Water vapour permeability</td>
<td>3.8 \times 10^{-5} \text{mg/m-h-Pa}</td>
</tr>
<tr>
<td>Water/air permeability</td>
<td>Pass</td>
</tr>
<tr>
<td>Release of dangerous substances</td>
<td>NPD</td>
</tr>
<tr>
<td>Dimensional tolerances</td>
<td>Pass</td>
</tr>
<tr>
<td>Shatter properties (safe breakability) as:</td>
<td></td>
</tr>
<tr>
<td>- Small hard body impact resistance</td>
<td>Pass</td>
</tr>
<tr>
<td>- Large soft body impact resistance (assembly)</td>
<td>Pass</td>
</tr>
<tr>
<td>(deformation behaviour)</td>
<td>NPD</td>
</tr>
</tbody>
</table>
Direct airborne sound insulation \[ R = 31.5 \, \text{dB} \]

Thermal transmittance \( \text{NPD} \)

Light transmittance \( \tau_v \)

Total solar energy transmittance \( g \)

Solar direct transmittance \( \tau_e \)

<table>
<thead>
<tr>
<th>Colour</th>
<th>( \tau_v ) (%)</th>
<th>( g ) (%)</th>
<th>( \tau_e ) (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WH4D348O</td>
<td>NPD</td>
<td>NPD</td>
<td>NPD</td>
</tr>
<tr>
<td>WH7D287O</td>
<td>NPD</td>
<td>NPD</td>
<td>NPD</td>
</tr>
</tbody>
</table>

Resistance to fixings Method of fixing (see manufacturer’s datasheet)

Durability, as variation (after ageing):
- of yellowness index \( \text{NPD} \)
- of the light transmittance \( \text{NPD} \)
- of deformation flexural modulus \( \text{NPD} \)
- of tensile strength \( \text{NPD} \)

8. The performance of the product identified above is in conformity with the set of declared performance. This declaration of performance is issued in accordance with Regulation (EU) No. 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

P. van den Bleek
Bergen op Zoom, 06-03-2018

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2. www.sabic.com/sfs