

**DECLARATION OF PERFORMANCE**  
**n. 305/2011 CPR**

|           |   |
|-----------|---|
| <b>1.</b> | Unique identification code of the product-type:<br><b>SUPERCCEL<sup>®</sup> XL 40 is a high performance rigid closed cell thermoset designed for pipework, especially those requiring non-fibrous material. It is manufactured in blocks/billets, with a rectangular cross-section and a thickness not significantly smaller than the width. It can be cut by specific machinery to all dimensions and forms necessary for optimal insulation, such as slabs, jacketing and curved or spherical segments.</b> |
| <b>2.</b> | Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:<br><b>Thermal insulation for Piping Insulation</b>   |
| <b>3.</b> | Name and contact address of manufacture:<br><b>Resine Isolanti O. Diena S.r.l. Viale Zanotti, 86 - 27027 Gropello Cairoli (PV) - IT<br/>T. + 39 0382.81.59.79 - <a href="mailto:info@resineisolanti.com">info@resineisolanti.com</a></b>  |
| <b>4.</b> | System of assessment and verification of constancy of performance of the construction product:<br><b>System 3</b>   |
| <b>5.</b> | In case of declaration of performance concerning a construction product covered by a harmonized standard:<br><b>CSI S.p.a. Viale Lombardia, 20 - 20021 Bollate (MI) - IT<br/>T. + 02 383.301 - <a href="mailto:info@csi-spa.com">info@csi-spa.com</a></b>   |
| <b>6.</b> | The performance of the product identified in point 1 is in conformity with the declared performance in the annex.   |
| <b>7.</b> | This declaration of performance is issued under the responsibility of the manufacturer identified in point 3.   |

**DESIGNATION CODE**



PF - EN 14314 - ST(+)-120 - ST(-)-180 - DS(T+) - CS(10/Y)150 - MU30 - CV

Milan, June 12th 2019

Signed for and behalf of the manufacturer by:

**Marco Diena**

  
RESINE ISOLANTI O. DIENA S.r.l.

## CHARACTERISTICS AND PERFORMANCES - EN 14314:2010

| PROPERTIES                                | NORMS  | UNITS             | VALUES  |
|---|--|-------------------|---|
| Nominal Dry Density                       | EN ISO 845   | kg/m <sup>3</sup> | 40 +/- 2,5  |
| Thermal Conductivity                      | EN 12667 at T <sub>m</sub> : 10°C<br>Initial<br>Aged | W/mK<br>W/mK      | 0,021<br>0,023  |
| Closed Cell Content                       | EN ISO 4590  | %                 | ≥ 95  |
| Operating Temperature Limits              | Upper Limit<br>Lower Limit                           | °C<br>°C          | + 120<br>- 180  |
| Compressive Strength                      | EN 826   | kPa               | ≥ 150   |
| Linear Dimensional Stability              | EN 826   | %                 |   |
|   | Thickness: 48 hrs at (120 ± 2) °C                    |                   | ≤ 3   |
|   | Length & Width: 48 hrs at (120 ± 2) °C               |                   | ≤ 3   |
| Water absorption by immersion             | EN 1609  | Kg/m <sup>2</sup> | ≤ 1   |
| Water vapor permeability and transmission | EN 12086   | μ                 | 30  |
| Specific heat capacity                    |  | J/Kg K            | 1750  |
| Reaction to fire                          | EN 13501-1   |                   | C s <sub>1</sub> d <sub>0</sub>   |
| Fire propagation                          | BS 476-6   |                   | Index (I) not exceeding 12*<br>Sub-index (i <sub>1</sub> ) not exceeding 6*   |
| Flame spread                              | BS 476-7   |                   | Class 1*  |
| Surface burning characteristics           | ASTM E84   |                   | Flame spread Index (2,5 inch) ≤ 25<br>Smoke Development Index (2,5 inch) ≤ 50 |

\*the results of the tests to BS 476-6:1989+A1: 2009 and BS 476-7: 1997, demonstrate that the product, as tested, **complies with the requirements for Class 0**, as defined in paragraph A13(b) of Approved Document B, 'Fire Safety', to the Building Regulations 2000

## TOLERANCES AND NOTES

|       |                              |   |
|-------|------------------------------|---|
| Notes | Stability to the temperature | SUPERCEL <sup>®</sup> PIPING performs well in in both extremely hot and extremely cold environments. With a temperature range of - 180°C e + 120°C.                             |
|       | Aspect                       | Any possible little areas of imperfection in the foam are originated by the production process and don't prejudice in any way the physical-mechanical properties of the panels. |

## MORE INFORMATION

|                  |  |
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| More information | For more Information not present in this sheet, please contact the technical office of Resine Isolanti O. Diena S.r.l.<br>Viale Zanotti, 86 - 27027 Gropello Cairoli (PV) - IT - T. + 39 0382.81.59.79<br><a href="mailto:info@resineisolanti.com">info@resineisolanti.com</a> |
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