

DECLARATION OF PERFORMANCE

SUPERCEL® AERIS


N. CPR-AR/24.0

1. Unique identification code of the product-type: **SUPERCEL® AERIS**
2. Intended use/es: **Thermal insulation for buildings - Factory made phenolic foam (PF)**
3. Manufacturer: **Resine Isolanti O. Diena S.r.l. - Viale Zanotti, 86 - 27027 Gropello Cairoli (PV)**
4. System of assessment and verification of constancy of performances: **AVCP - System 3**
5. Harmonized technical specification: **EN 13166:2012+A2:2016**
6. Notified bodies:
 - » **No. 0497 - CSI S.p.a. Viale Lomabardia, 20 - 20021 Bollate (MI)**
 - » **No. 0407 - Istituto Giordano S.p.a. Via Gioacchino Rossini, 2 - 47814 Bellaria - Igea Marina (RN)**
7. Declared characteristics:

| ESSENTIAL CHARACTERISTICS | | PERFORMANCES | |
|--|--|---------------------------------------|--------------|
| Thermal resistance | Thermal resistance R_D [(m ² .K)/W] | d _N 20mm | 0,95 |
| | | d _N 30mm | 1,40 |
| | | d _N 40mm | 1,90 |
| | | d _N 50mm | 2,35 |
| | | d _N 60mm | 2,85 |
| | | d _N 70mm | 3,30 |
| | | d _N 80mm | 4,20 |
| | | d _N 90mm | 4,70 |
| | | d _N 100mm | 5,25 |
| | | d _N 110mm | 5,75 |
| | | d _N 120mm | 6,30 |
| | | d _N 130mm | 6,80 |
| | | d _N 140mm | 7,35 |
| | | d _N 150mm | 7,85 |
| | d _N 160mm | 8,40 | |
| | Thermal conductivity λ_D [W/(m.K)] | d _N 20mm-79mm | 0,021 |
| | | d _N 80mm-160mm | 0,019 |
| | Thickness | d _N 20mm-160mm | T1 |
| | Closed cell content | CV | |
| Reaction to fire | Euroclass | B-s₁, d₀ | |
| Durability of reaction to fire against heat, weathering, aging / degradation | | | |
| Dimensional stability under specified temperature and humidity condition | Pass | DS(70,90) DS(-20,-) | |
| Compressive strength | Compressive stress or compressive strength | CS(Y)120 | |
| Tensile / flexural strength | Tensile strength perpendicular to faces | NPD | |
| Durability of compressive strength against aging / degradation | Compressive creep | NPD | |
| Water permeability | Short term water absorption | WS3 | |
| | Long term water absorption | NPD | |
| Water vapor permeability | Water vapor transmission | NPD | |
| Release of dangerous substances to the indoor environment | | NPD | |
| Continuous glowing combustion | | NPD | |

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued in accordance with Regulation (EU) n. 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:
Marco Diena, C.E.O.
Milan, 30/08/2024

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|---|-----------------------|--|--------------|
|  24 0497, 0407 | | Resine Isolanti O.Diena Srl Viale Zanotti, 86 - 27027 Gropello Cairoli (PV) www.resineisolanti.com | |
| CPR-AR/24.0 EN 13166:2012+A2:2016 SUPERCEL® AERIS Thermal insulation for buildings - Factory made phenolic foam (PF) PF - EN 13166 - T1 - DS(70,90) - DS(-20,-) - CS(10/Y)120 - WS3 - CV | | | |
| THERMAL CONDUCTIVITY | λ_D [W/(m.K)] | d_N 20mm-79mm | 0,021 |
| | | d_N 80mm-160mm | 0,019 |
| THERMAL RESISTANCE | R_D [(m².K)/W] | Depending on thickness | |
| REACTION TO FIRE | EUROCLASS | B-s₁,d₀ | |
| DURABILITY OF REACTION TO FIRE AGAINST HEAT; WEATHERING; AGING / DEGRADATION | | | |
| WATER PERMEABILITY | Class | WS3 | |
| COMPRESSIVE STRENGTH | kPa | ≥ 120 | |
| TENSILE / FLEXURAL STRENGTH | NPD | | |
| DIMENSIONAL STABILITY UNDER SPECIFIC TEMPERATURE AND HUMIDITY CONDITIONS | Pass | DS(70,90) DS(-20,-) | |
| WATER VAPOR PERMEABILITY | NPD | | |
| RELEASE OF DANGEROUS SUBSTANCES | NPD | | |
| DURABILITY OF COMPRESSIVE STRENGTH AGAINST AGING / DEGRADATION | Compressive creep | NPD | |

REACH information:

This product is considered an article under Art.3 of the REACH Regulation (EC) N.1907/2006. Consequently, according to Art.31 and 33 of the same Regulation, it does not require a Safety Data Sheet. During use, it is recommended to refer to the indications given in the Technical Data Sheet and the safety regulations established in the workplace.

Additional information:

Resine Isolanti provides this designation code together with the DoP to facilitate the consultation of the CE marking by international customers. The marking shown here may differ from that indicated on the packaging or accompanying documents due to:

- » declared NPD (No Performance Determined) values which can be omitted in the CE marking,
- » graphic adaptations in relation to the available space and the printing media used,
- » use of a different language (the same packaging is used in numerous countries),
- » product already in stock at the time of updating the marking,
- » printing errors.