DECLARATION OF PERFORMANCE
SUPERCEL® VITRUM
N. CPR-AL/24.0

supercel® BUILDING INSULATION
Resine Isolanti S.r.l.

1. Unique identification code of the product-type: **SUPERCEL® ALUMEN**
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 [(m².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-s_1,d_0**	
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

RESINE ISOLANTI O. DIENA S.r.l.

CE MARKING
SUPERCEL® ALUMEN
Annex to DoP N. CPR-AL/24.0

CE

24
0497, 0407

Resine Isolanti O.Diena Srl
Viale Zanotti, 86 - 27027 Gropello Cairoli (PV)
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CPR-AL/24.0
EN 13166:2012+A2:2016
SUPERCEL® ALUMEN
Thermal insulation for buildings - Factory made phenolic foam (PF)
PF - EN 13166 - T1 - DS(70,90) - DS(-20,-) - CS(10/Y)120 - WS3 - TR80 - 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-s_1,d_0**
DURABILITY OF REACTION TO FIRE AGAINST HEAT; WEATHERING; AGING / DEGRADATION		
WATER PERMEABILITY	CLASS	**WS3**
COMPRESSIVE STRENGTH	kPa	**≥ 120**
TENSILE / FLEXURAL STRENGTH	kPa	NPD
DIMENSIONAL STABILITY UNDER SPECIFIC TEMPERATURE AND HUMIDITY CONDITIONS	Passa	**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.