

# DECLARATION OF PERFORMANCE

## No. 47702-a-CPR\_2022.01.1

Unique identification code of the product-type	INSTASOFT
Intended use/es	Factory-made bonded foam to be used as acoustic and thermal insulation
Manufacturer	Recticel Insulation - ZI-7 Boulevard de la Chanterie - 49124 Saint Barthélemy d'Anjou - France
System/s of AVCP	AVCP 3
Harmonised standard	UBA <sub>tc</sub> → EAD n°040831-01-1201 (date : 2020-03-31) ETA 20/0396
Notified body/ies	Notified testing laboratory No. NB 1136, NB 1173, NB 2294, NB 2264 determined the production type under system AVCP3.

Essential characteristics	Performance (The letters 'NPD' (No Performance Determined) are indicated where no performance is declared.)		
Reaction to fire	Reaction to fire	NPD	
Thermal conductivity and thermal resistance	Thermal resistance ( $R_D$ in m <sup>2</sup> K/W)	0,50 for $d_N$ 20mm 3,20 for $d_N$ 120mm	
	Thermal conductivity ( $\lambda_D$ en W/mK)	0.037	
Airflow resistance	Airflow resistance (Pa.s/m)		
	20mm	270	
	30mm	360	
	40mm	420	
	60mm	610	
	80mm	790	
	100mm	960	
Geometry	Length and width	Conform to §4.2.2 norm EN13165	
	Thickness - $d_N$ : 40 mm	T2	
	Squareness	NPD	
	Flatness	NPD	
Density	Density, Kg/m <sup>3</sup>	80	
Thickness and compressibility	Compressibility c	NPD	
Tensile strength	Tensile strength perpendicular to faces	TR40	
Water absorption	Short term water absorption by partial immersion, $W_p$	NPD	
Water vapour transmission	Water vapour diffusion resistance factor $\mu$	NPD	
Sound absorption	Practical sound absorption coefficient, $\alpha_p$	NPD	
	Weighted sound absorption coefficient, $\alpha_w$	20-30mm	0.40
		40-120mm	0.65
Content, emission and/or release of dangerous substances	French regulation on emissions	A+ (France)	
	Belgium regulation on emissions	Conform (Belgium)	
Dimensional stability	48h, 23°C, 50% R.H.	DS(N)2	

Complementary information		
Characteristics	Performance	
Reaction to fire - end use	- End use (with gypsum plasterboard, minimal thickness 12.5mm)	B-s1, d0
Sound reduction	Sound reduction index improvement, $\Delta R_w$ in Db	
	20-30mm	11
	40mm	13
	60mm	14
	80-120mm	18

The performance of the product identified above is in conformity with the set of declared performance/s. 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:

at Angers on January the 1st 2022

Cédric BARA – France Operational Insulation Manager