PLAFOND

595X595X15 TEGULAR EDGE (1C=3.54M²)

RÉF SANIFER 10039921

Product: 595x595x15mm Mineral Fiber Ceiling Board

No.	Inspection Item		Unit	Standard	Result
1	Apperance		----	No stain, scratch, unevenness of tint and incomplete pattern, no crack, damage, distortion and damaged vertex	No stain,scratch, unevenness of tint and incomplete pattern, no crack, damage, distortion and damaged vertex
2	Density		kg/m³	≤380	377
	Size tolerance	Length	mm	595±2.0	595
		Width	mm	595±2.0	595
		Thickness	mm	15±1.0	15
		Corner squareness	mm/m	≤3	0.3
	Moisture content by mass		%	≤3.0	1.9
	Thermal resistance (Average temperature 25°C, thickness 15mm)		(m²·K)/W	≥0.25	0.26
	Flexural failure load		N	≥103	564
	Asbestos phase		----	No asbestos fiber permitted	No asbestos fiber was found
3	Deflection in damp environment (RH95)		mm	≤3.5	1.0
4	Radionuclide limits	Internal exposure index	I_{Ra}	≤1.0	0.5
		External exposure index	Ir	≤1.3	0.6
5	Formaldehyde emission		mg/L	≤1.5	Not detected
6	Combustion performance B_1(B_s1,d0,t0) Level	Total heat value of combustion	MJ/kg	≤3.0	0.8
		Combustion speed($FIGRA_{0.2MJ}$)	W/s	≤120	21
		Transverse flame spread	----	Not reach the long wing edge	Not reach the long wing edge
		600s Total heat release	MJ	≤7.5	1.9
		600s Total smoke production	m²	≤50	2.1
		Flue gas production rate index	m²/s²	≤30	0
		Burn droplets/ particles	----	In 600s without burn droplets	In 600s without burn droplets
		Smoke toxicity	----	Reach safety first level ZA_1	Reach safety first level ZA_1
7	Noise reduction coefficient (impedance tube method)		----	Knurl≥0.25	0.33 （rear cavity 50 mm）