

Emission Test Certificate

Friday, 09th October 2020

Supplier: Woven Image Pty Limited (37-39 Chard Road, Brookvale, NSW, 2100, Australia)

Sample Description: Echo 100% PET (60% recycled) acoustic wall & ceiling lining panel

Date Tested: September 2020 (Tested by FORAY Laboratories – NATA Accreditation 1231)

Test Method: Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, Version 1.2: 2017 (Emission testing method for California Specification CA 01350).

Sample and Chamber conditions during test period:

Temperature	22.9°C ± 0.5°C
Humidity	50% ± 2%
Chamber Volume	50L
Chamber Flow Rate	0.819 L/min
Chamber Pressure	103.1 kPa
Product Loading	0.90 m ² /m ³
Air Exchange Rate	0.982 hr ⁻¹
Emission Collection Time	1379 min for formaldehyde and aldehydes and 122 min for Thermal Desorption tubes VOCs.
Sample Surface Area	0.045 m ²
Exposure of sample in chamber	14 days (336 hours)

Test summary: The air samples were collected from the emission chamber at 336 hours for aldehydes and VOCs. The aldehyde gases were collected on DNPH-treated silica tubes (SKC 226-119) and analysed by Ultra High-Performance Liquid Chromatography (UHPLC). The VOC gases were collected on Perkin Elmer Tenax TA Thermal Desorption tubes and analysed by ATD-GC-MS as TO-17.

Emission Data:

California Specification CA 01350	Echo 100% PET (60% recycled) acoustic wall & ceiling lining Panel
TVOC Emission Rate Limit: $\leq 0.500 \text{ mg/m}^3$	TVOC Emission Rate: 0.054 mg/m^3
Formaldehyde Emission Rate Limit: $\leq 9 \text{ }\mu\text{g/m}^3$	Formaldehyde Emission Rate*: $2 \text{ }\mu\text{g/m}^3$
All other Target CREL VOCs and their emission rate are well below the maximum allowable concentrations in accordance with Table 4-1 of the standard method.	

* The stated result was calculated from an emission rate applied to the Standard Private Office Model (Table 4-4) using 44.55 m^2 exposed wall and ceiling area, room volume of 30.6 m^3 , and ventilation rate of 0.68 hr^{-1} .



Echo 100% PET (60% recycled) acoustic sample



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