

# Emission Test Certificate

Monday 27<sup>th</sup> September 2021

Supplier: WOVEN IMAGE PTY LIMITED (37-39 Chard Road, BROOKVALE, NSW, 2100, Australia)

Sample Description: 3D Tile Series with Polycaprolactone Scatter Adhesive

Date Tested: September 2021 (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:

<b>Temperature</b>	23.3°C ± 0.5°C
<b>Humidity</b>	49% ± 2%
<b>Chamber Volume</b>	50L
<b>Chamber Flow Rate</b>	0.857 L/min
<b>Chamber Pressure</b>	102.5 kPa
<b>Product Loading</b>	0.67 m <sup>2</sup> /m <sup>3</sup>
<b>Air Exchange Rate</b>	1.028 hr <sup>-1</sup>
<b>Emission Collection Time</b>	1440 min for formaldehyde and aldehydes and 120 min for Thermal Desorption tubes VOCs.
<b>Sample Surface Area</b>	0.031 m <sup>2</sup>
<b>Exposure of sample in chamber</b>	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	3D Tile Series
TVOC Emission Rate Limit: <0.500 mg/m <sup>3</sup>	TVOC Emission Rate*: 0.010 mg/m <sup>3</sup>
Formaldehyde Emission Rate Limit: <9 µg/m <sup>3</sup>	Formaldehyde Emission Rate*: 2 µg/m <sup>3</sup>
<b><i>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.</i></b>	

\* The stated result was calculated from an emission rate applied to the Standard Private Office Model (Table 4-4) of the standard using 33.4 m<sup>2</sup> exposed acoustical wall finish area, room volume of 30.6 m<sup>3</sup>, and ventilation rate of 0.68 hr<sup>-1</sup>.



3D Tile Series sample



Dr. Vyt Garnys  
PhD, BSc(Hons) AIMM, ARACI, ISIAQ  
ACA, AIRAH, FMA  
Managing Director and Principal Consultant



Travis Hale  
BSc (Biotechnology)  
Consultant



Tuan Duong  
B.Eng. (Chemical)  
Consultant

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