

# Emission Test Certificate

Wednesday 06<sup>th</sup> October 2021

Supplier: Mapei Australia Pty Ltd (180 Viking Drive, Wacol, QLD, 4076, AUSTRALIA)

Sample Description: Planiprep SC

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>	23.1°C ± 0.3°C
<b>Humidity</b>	48% ± 4%
<b>Chamber Volume</b>	50L
<b>Chamber Flow Rate</b>	0.808 L/min
<b>Chamber Pressure</b>	102.5 kPa
<b>Product Loading</b>	0.63 m <sup>2</sup> /m <sup>3</sup>
<b>Air Exchange Rate</b>	0.97 hr <sup>-1</sup>
<b>Emission Collection Time</b>	1500 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.

**Conclusion:** *The Planiprep SC product complies with the VOC emission limits of the California Department of Public Health (CDPH) Standard Method V.1.2-2017 CA 01350 specifications.*

**Emission Data:**

California Specification CA 01350	Planiprep SC
TVOC Emission Rate Limit: <0.500 mg/m <sup>3</sup>	TVOC Emission Rate*: 0.012 mg/m <sup>3</sup>
Formaldehyde Emission Rate Limit: <9 µg/m <sup>3</sup>	Formaldehyde Emission Rate*: 4 µg/m <sup>3</sup>
<b>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.</b>	

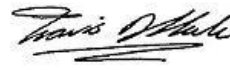
\* The stated result was calculated from an emission rate applied to the Standard Private Office Model (Table 4-4) of the standard using 11.15 m<sup>2</sup> exposed acoustical ceiling panel area, room volume of 30.6 m<sup>3</sup>, and ventilation rate of 0.68 hr<sup>-1</sup>.



Planiprep SC tested sample



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