

# Emission Test Certificate

Thursday 07<sup>th</sup> October 2021

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

Sample Description: Primer MF

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>                   | 23.0°C ± 0.2°C  |
| <b>Humidity</b>                      | 52% ± 2%  |
| <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>      | 1440 min for formaldehyde and aldehydes and<br>120 min for Thermal Desorption tubes VOCs. |
| <b>Sample Surface Area</b>           | 0.028 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 Primer MF 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  | Primer MF   |
|--|---|
| TVOC Emission Rate Limit: <math><0.500 \text{ mg/m}^3</math>   | TVOC Emission Rate*: <math>0.017 \text{ mg/m}^3</math>              |
| Formaldehyde Emission Rate Limit: <math><9 \text{ }\mu\text{g/m}^3</math>  | Formaldehyde Emission Rate*: <math>1 \text{ }\mu\text{g/m}^3</math> |
| <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 <math>11.15 \text{ m}^2</math> exposed acoustical ceiling panel area, room volume of <math>30.6 \text{ m}^3</math>, and ventilation rate of <math>0.68 \text{ hr}^{-1}</math>.



Primer MF tested sample



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