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Emission Test Certificate

Monday 04th October 2021

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

Sample Description: Adesilex G19

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:

Temperature	23.1°C ± 0.3°C
Humidity	450 ± 2%
Chamber Volume	50L
Chamber Flow Rate	0.826 L/min
Chamber Pressure	102.5 kPa
Product Loading	0.59 m^2/m^3
Air Exchange Rate	0.992 hr^{-1}
Emission Collection Time	1500 min for formaldehyde and aldehydes and 120 min for Thermal Desorption tubes VOCs.
Sample Surface Area	0.029 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.

Conclusion: ***The Adesilex G19 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	Adesilex G19
TVOC Emission Rate Limit: <0.500 mg/m^3	TVOC Emission Rate*: 0.182 mg/m^3
Formaldehyde Emission Rate Limit: <9 µg/m^3	Formaldehyde Emission Rate*: 2 µg/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) of the standard using 11.15 m^2 exposed acoustical ceiling panel area, room volume of 30.6 m^3, and ventilation rate of 0.68 hr^{-1}.*

Adesilex G19 tested sample

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