

Certificate of Compliance – VOC Emissions

Allure Ultra/Allure Locking 66314 (CSI category 096519)
Metroflor Corp.

Metroflor Corp. selected a sample representative of its Allure Ultra/Allure Locking 66314 vinyl plank and tile product manufactured in Yihua Plastics Co (LY), Zhangjiagang City, China and submitted it for testing on 3/3/2011. Berkeley Analytical measured and evaluated the emissions of volatile organic compounds (VOCs) from this sample according to California Department of Public Health (CDPH) *Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions From Indoor Sources Using Environmental Chambers*; CDPH/EHLB/Standard Method, Version 1.1, 2010 (also known as, chamber testing portion of CA Section 01350) and ASTM Standard Guide D 5116. Chemical sampling and analysis were performed following U.S. EPA Compendium Method TO-17 and ASTM Standard Method D 5197.

Calculations were performed with the following classroom and office exposure parameters to project the concentrations of VOCs of concern resulting from the use of the product. These parameters are taken from CDPH/EHLB/Standard Method V1.1, 2010. The results of the test and the calculated concentrations for the classroom and office are presented in Berkeley Analytical laboratory report, 399-006-01A-Mar2411.

Exposure Scenarios

Standardized Environment	Room Volume (m ³)	Area Specific Air Flow Rate (m/h)	Flooring Area (m ²)
Classroom	231	2.14	89.2
Office	30.6	1.86	11.1

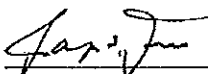
Summary of test results according to the CDPH Standard Method guidelines:

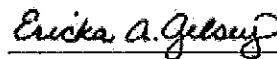
- Predicted concentrations of all VOCs of concern including formaldehyde were below the guideline concentrations.

Based on these results, the tested product sample meets the VOC emission requirements for use in classroom and office environments as defined in the CA DHS *Standard Practice*. Thus, the testing requirements are met to qualify the product as a low-emitting material in the Collaborative for High Performance Schools rating system (CHPS Designed & CHPS Verified). Also, the testing requirements are met for USGBC LEED 2009 for Commercial Interiors and for New Construction and Major Renovation, IEQ Credit 4.3 Low-Emitting Materials – Flooring Systems, Options 1 and 2.

Certificate No.: 110324-01

Dated: March 24, 2011


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