

ANALYSIS REPORT
SCC Accreditation No.: 40‡

Mr. Steve Sennik
DMX Plastics Limited

Date: September 18, 2020
Report: 4701-029S-1B-en

IDENTIFICATION: Subfloor membrane: DMX 1 Step 2.0
Received: September 8, 2020, PO: 2008-69

STANDARD:

TEST: Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus ASTM C518-17 Mod.‡

TEST CONDITIONS: Heat flow meter apparatus is used to perform measurement of floor temperature, on a small-scale basement floor installation. The upper plate represents the simulated concrete floor, lower plate represents the ambient.
Apparatus used: Laser Comp. Heat Flow Meter Instrument FOX304;
Subfloor membrane R-Value:* 0.5580
Flooring identification: Lifeproof Harrison Pine Dark Multi-Width x 47.6-inch Luxury Vinyl Plank Flooring
Date of test: from August 31 to September 04, 2020

RESULTS:	Individual Data			Avg.	S.D.	% CV
Floor thickness (mm):	6.48					
Subfloor membrane thickness (mm):*	5.34	5.17	5.15	5.22	0.10	2.0
Lower temperature (°C):	23.0	23.0	23.0	23.0	0.0	0.0
Upper temperature (°C):	5.0	5.0	5.0	5.0	0.0	0.0
Floor temperature (°C):	11.2	10.7	12.3	11.4	0.8	7.2
Subfloor membrane density (kg/m³):*	160.6	166.0	168.0	164.9	3.8	2.3

REMARKS: 1)*: These results were already reported in file 4701-028S.
2) DMX 1-Step 2.0 underlayment, when installed under Lifeproof Vinyl (6.5mm) , improves the floor surface temperature from 5°C to 11.4°C.

Prepared by:

Héloïse Gay
Héloïse Gay, Tech.
Technician

Approved by:

Cynthia Dega
Cynthia Dega, M.Eng.
Director for Innovation in Composites

Date: September 18, 2020

****For any information concerning this report, please contact Cynthia Dega.****

The reports are identified by an alphanumeric code, the letter preceding "-en" refers to the revision number, emitted in ascending order. The electronic copy sent by CTT Group is the official report. The reported identification is based on what was observed on the received sample and/or information provided by the customer. The samples in relation to this report are retained for a period of 30 days following transmission of the report. The above reported results refer exclusively to the samples submitted for evaluation. This analysis report cannot be partly used or reproduced, unless in whole, without CTT Group prior written consent. ‡ The ISO/IEC 17025 Scope of Accreditation of CTT Group is available at www.gcttg.com. In this report, the tests which number is followed by the symbol ‡ are not covered by this accreditation. For customer's complete address, please refer to the email.