GroupeCTTGroup
Division SAGEOS
Geosynthetics Géosynthétiques

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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:
Cynthie Dega
Cynthie Dega, M.Eng.
Director for Innovation in Composites

Date: September 18, 2020

For any information concerning this report, please contact Cynthie Dega.