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Inspection Report

DMI Lot: L-8490

Date: Mar 16, 2023

Signature

Metrologist: Nathan Todd
Email: ntodd@dimensionalmeasure.com
Phone: (248) 960-8801

Number of parts: 6
Date Received: Mar 15, 2023
Date Inspected: Mar 15, 2023

Part Name: GFRMC Tile Samples

Customer: Arcoplast Wall & Ceiling Systems
Address: 106 Crafton Drive
O'Fallon, MO 63366

Contact: Ghislain Beauregard
Phone: (636) 978-7781
Email: ghislain@arcoplast.com

Unit of measurement: μ meters
Location of test: DMI

Gage References

DMI-084 Zeiss 1500SD3 Surface Analyzer

DMI-177 Calibration Specimen
Certification Date: January 5, 2022
Due Date: January 5, 2024

Remarks:

Surface Finish Parameters
Cutoff: 0.25mm
Evaluation length: 1.25mm
Tip Radius: 2 microns
Trace speed: 0.3mm/s
Probe Force: Light
Filter: Gaussian

*All measurements were made using standards traceable to the International System of Units (SI).
All statements of conformity are based upon measurement results not taking into account uncertainty of the measurement.
This report as well as all data and remarks only applies to the item listed in equipment information.
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Measurements were performed in accordance with ISO 10012-1 and ISO/IEC 17025.*

Item #	Loc.	Gage Ref.	Description	Specification	Tolerance	S/N 1 Actual	S/N 2 Actual	S/N 3 Actual	S/N 4 Actual	S/N 5 Actual	S/N 6 Actual
1	T1	DMI-084	Surface Finish Ra			0.01	0.02	0.02	0.01	0.02	0.02
		DMI-084	Surface Finish Rq			0.02	0.02	0.02	0.02	0.02	0.02
		DMI-084	Surface Finish Rz			0.13	0.16	0.13	0.13	0.13	0.14
		DMI-084	Surface Finish Rp			0.07	0.08	0.07	0.08	0.07	0.08
		DMI-084	Surface Finish Rv			0.06	0.08	0.06	0.05	0.06	0.06
		DMI-084	Surface Finish Rt			0.18	0.20	0.16	0.17	0.18	0.21
		DMI-084	Surface Finish Pc			581	505	480	582	577	526
	T2	DMI-084	Surface Finish Ra			0.02	0.02	0.02	0.02	0.02	0.02
		DMI-084	Surface Finish Rq			0.03	0.02	0.02	0.02	0.02	0.02
		DMI-084	Surface Finish Rz			0.17	0.15	0.14	0.13	0.12	0.15
		DMI-084	Surface Finish Rp			0.11	0.09	0.08	0.07	0.07	0.08
		DMI-084	Surface Finish Rv			0.07	0.06	0.05	0.06	0.05	0.07
		DMI-084	Surface Finish Rt			0.27	0.19	0.19	0.20	0.14	0.24
		DMI-084	Surface Finish Pc			477	471	532	521	614	477
	T3	DMI-084	Surface Finish Ra			0.02	0.02	0.02	0.02	0.02	0.02
		DMI-084	Surface Finish Rq			0.02	0.02	0.02	0.02	0.02	0.02
		DMI-084	Surface Finish Rz			0.14	0.15	0.13	0.13	0.14	0.14
		DMI-084	Surface Finish Rp			0.08	0.09	0.08	0.07	0.08	0.08
		DMI-084	Surface Finish Rv			0.06	0.06	0.05	0.06	0.06	0.06
		DMI-084	Surface Finish Rt			0.17	0.18	0.17	0.18	0.20	0.17
		DMI-084	Surface Finish Pc			471	532	448	482	576	527
	T4	DMI-084	Surface Finish Ra			0.02	0.02	0.02	0.02	0.02	0.02
		DMI-084	Surface Finish Rq			0.02	0.02	0.02	0.02	0.02	0.02
		DMI-084	Surface Finish Rz			0.15	0.13	0.14	0.14	0.17	0.12
		DMI-084	Surface Finish Rp			0.08	0.07	0.08	0.08	0.08	0.07
		DMI-084	Surface Finish Rv			0.07	0.06	0.06	0.05	0.09	0.05
		DMI-084	Surface Finish Rt			0.17	0.15	0.21	0.18	0.24	0.15
		DMI-084	Surface Finish Pc			522	482	493	600	535	565
	T5	DMI-084	Surface Finish Ra			0.02	0.02	0.02	0.02	0.02	0.02
		DMI-084	Surface Finish Rq			0.03	0.02	0.02	0.02	0.02	0.02
		DMI-084	Surface Finish Rz			0.17	0.12	0.16	0.13	0.13	0.14
		DMI-084	Surface Finish Rp			0.10	0.07	0.08	0.07	0.07	0.09
		DMI-084	Surface Finish Rv			0.07	0.06	0.08	0.06	0.06	0.06
		DMI-084	Surface Finish Rt			0.24	0.15	0.18	0.16	0.16	0.20
		DMI-084	Surface Finish Pc			530	527	541	525	536	459

