

MEASUREMENT PROTOCOL


No. PM_IRT_OPT_23_06_30_03

PO number / date order from 30.5.2023
Customer ALPHA CZECH s.r.o.
Sample ID customer THRcoating ALPHA, thickness 1.71 mm
NTC 230607-002/007
Quantity SRI
Measurement method SNHRRT - UV-VIS-NIR, SNHRRT/V1 - MIR
Standard ASTM E1980-11
Date 15.6.2023
Measured by Martina Veselá, DiS.
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Thermal emissivity (-)	0.870	Standard	ASTM E408-13
Solar reflectance (%)	85.0	Standard	ASTM E903-12

	low	high	medium
Convective coefficient (W/m ² ·K)	5	12	30
Surface temperature (°C)	45.3	42.0	39.5
SRI (-)	107.3	106.8	106.5

conditions (see ASTM E1980-11 Standard)
standard solar radiation conditions
solar flux = 1000 W/m²
ambient air temperature = 37°C
sky temperature = 27°C
conduction heat transfer is not included



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