

ORAGUARD® HELIOSILVER 50 EXT.

Reflective Solar Protection Film

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ORAGUARD®

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HelioSilver

50

HelioSilver

ext

PET

PET, 0.0625

PET

PET, 0

PET

PET, 0.007

PET

PET

PET

6

4

PET

3

PET

-40 °C

85 °C

PET

PET

PET

10

PET

10 °C

30 °C

PET

10

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EN 410:2011¹

ORAGUARD® HelioSilver 50 EXT	4 mm		4/12/4 mm	
		HelioSilver 50 EXT		HelioSilver 50 EXT
Transmittance [%]	91	52	83	47
Ultraviolet radiation [%]	8	23	15	24
Infrared radiation [%]	8	25	15	27
Visible light (280-380 nm) [%]	28	99	42	99
Ultraviolet radiation ² [%]	8	27	14	29
Infrared radiation ² [%]	87	39	77	35
Absorbierte Sonnenenergie insgesamt ² [%]	5	34	10	36
Ultraviolet radiation [%]	0	0.43	0	0.43
Visible light [-]	1.00	0.54	1.00	0.44
Infrared radiation ⁴ (780-2500 nm) [%]	13	-	22	-
Solar Heat Gain Coefficient / SHGC ⁵ [-]	0.88	0.47	0.80	0.38
Total Solar Energy Rejection ^{7,8} [%]	12	53	20	62
Visible light ⁷ [-]	99	92	99	92

¹ EN 410:2011

² Berechnet aus Transmission, Reflexion und Absorption

³ Korrigierte Emissivität gemäß EN 12898:2019

⁴ Nach ISO 9050:2003

⁵ Solar Heat Gain Coefficient

⁷ In Transmission gemäß EN 410:2011

⁸ TSER (Total Solar Energy Rejection), basierend auf dem g-Wert gemäß EN 410:2011

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