



Protection Factor Summary Report

Analysed for: Spruced Autocare Products Pty Ltd

27/09/2022

Sample Details		UV Transmittance			Human Protection		
ARPANSA Reference	Sample Description	Mean UVA (%)	Mean UVB (%)	UVR Blocked (%)	PF Mean	PF SD	Protection Factor
13675-1	Black Spruced Carbon 35% Tint Film	3.27	0.25	99.6	261	12	249 (50+)
13675-2	Black Spruced Ceramic 35% Tint Film	3.32	0.06	99.8	>300	N/A	>300 (50+)

Anindita Das

Anindita Das - Technician - 27/09/2022

Lydiawati Tjong

Lydia Tjong - Authorised Signatory - 27/09/2022

It is a condition of the provision of these test results that you do not use the name of ARPANSA or the Commonwealth of Australia, or any words, marks or devices which may imply a connection with ARPANSA or the Commonwealth of Australia, in connection with the promotion or sale of your products, unless ARPANSA has given express written authority to do so. This summary report may only be reproduced in full and without alteration.



Protection Factor Report

Analysed for: Spruced Autocare Products Pty Ltd

ARPANSA Reference: 13675-1

Customer Reference: 3407

Date of Analysis: 27/09/2022

Sample Information

Description: Black Spruced Carbon 35% Tint Film

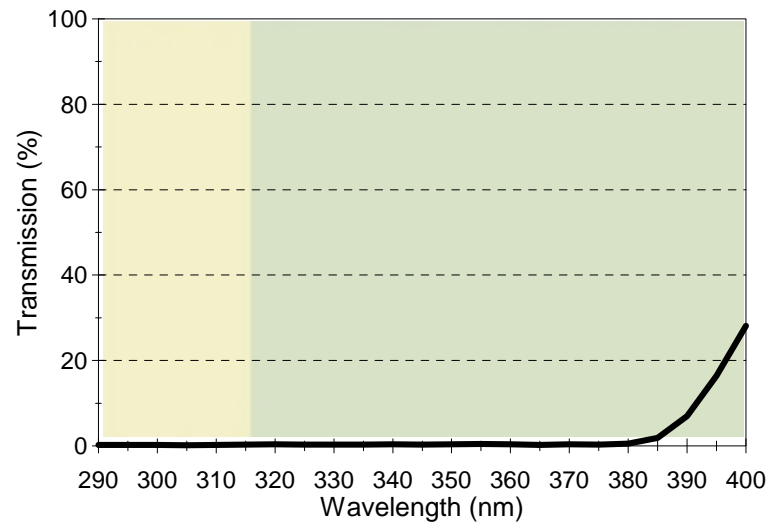
Specimens Tested: 8

Instrument: Varian Cary 60 s/n MY18270005

Measurement Results

		S.D.
Mean UVA Transmittance (%):	3.27	0.1
Mean UVB Transmittance (%):	0.25	0.0
Ultraviolet Radiation Blocked:	99.6	0.0

UV Transmittance



Protection Factor Results

Mean of all Measurements:	261	12
Protection Factor:	249 (50+)	

Review of Results

The protection factor (PF) is for the film only and does not address the end use of the film when it is applied to other materials. It is recommended to promote films with protection factors higher than 50 as '50+'.

Note that the Protection Factor results on this report that are relevant to human sun protection are weighted to account for human skin sensitivity to different wavelengths of ultraviolet radiation.

Disclaimer

The protection factor in this report is calculated in accordance with "UVR Protection offered by Shadecloths and Polycarbonates" published in Radiation Protection in Australia 1995, 13 (2) 50-54. The results in this report are applicable to the sample tested and may not apply to other batches of the same material or similar materials. When film is used to reduce the transmission of ultraviolet radiation through a material the ultraviolet radiation transmission results and calculated protection factor should be used for the film only as the measurements do not take into account important factors such as the protection characteristics of the material it is being applied too and its intended use. The effect of indirect (reflected and diffuse) solar radiation and the physical location of people may limit the effectiveness of the combined material and film. It is a condition of the provision of these test results that you do not use the name of the Australian Radiation Protection and Nuclear Safety Agency (ARPANSA) or the Commonwealth of Australia, or any words, marks or devices which may imply a connection with ARPANSA or the Commonwealth of Australia, in connection with the promotion or sale of your products, unless ARPANSA has given express written authority to do so. This test report may only be reproduced in full and without alteration.

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Anindita Das - Technician - 27/09/2022

Material Sample



Lydia Tjong

Lydia Tjong - Authorised Signatory - 27/09/2022



Protection Factor Report

Analysed for: Spruced Autocare Products Pty Ltd

ARPANSA Reference: 13675-2

Customer Reference: 3407

Date of Analysis: 27/09/2022

Sample Information

Description: Black Spruced Ceramic 35% Tint Film

Specimens Tested: 8

Instrument: Varian Cary 60 s/n MY18270005

Measurement Results

S.D.

Mean UVA Transmittance (%): 3.32 0.1

Mean UVB Transmittance (%): 0.06 0.0

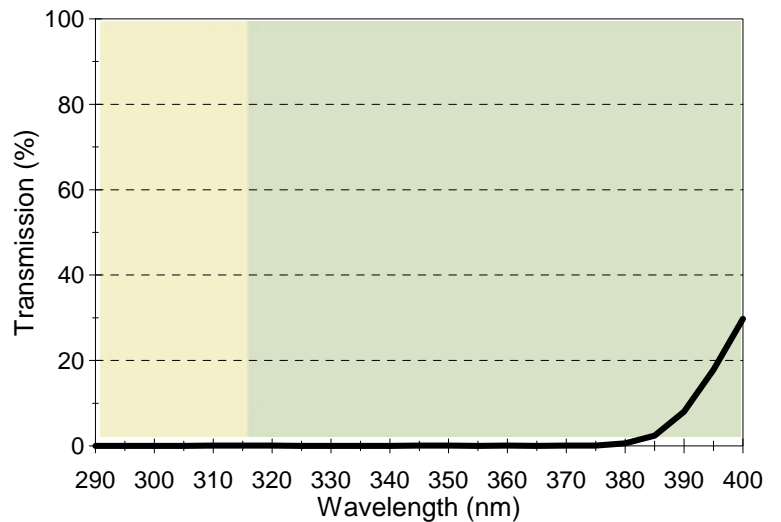
Ultraviolet Radiation Blocked: 99.8 0.1

Protection Factor Results

Mean of all Measurements: >300 N/A

Protection Factor: >300 (50+)

UV Transmittance



Review of Results

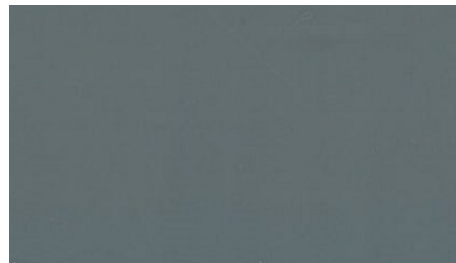
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