



# Protection Factor Report

Analysed for: Hanita Pacific  
ARPANSA Ref: 10714-1

Client Reference: 2667

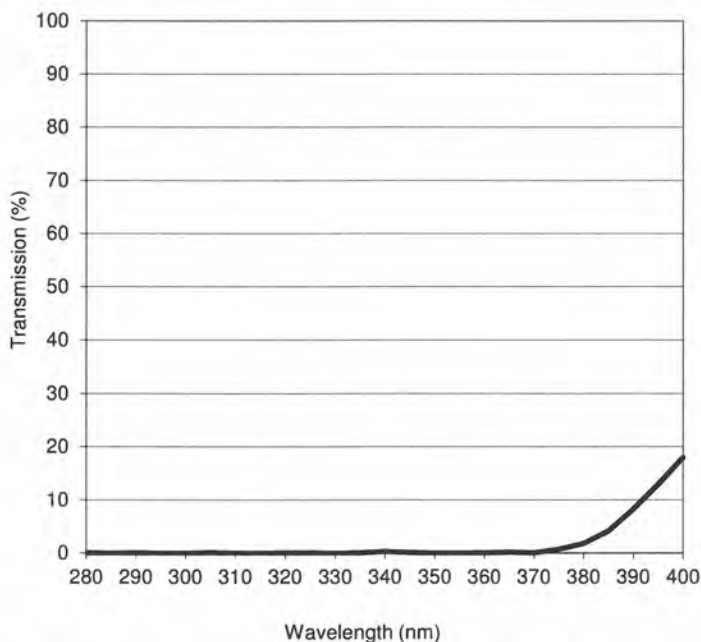
## Sample Information

Sample Type: Window Tint Film      Sample Colour: Black  
Analysis Date: 27/10/2015      Instrumentation: Varian Cary 50, s/n EL05083263  
Description: Solar Steel 20 Polyester Window Film, Batch Number 3864505

## Measurement Results

Number of Specimens Analysed: 8  
Mean UVA Transmission: 2.60%  
Mean UVB Transmission: 0.03%  
Ultraviolet Radiation Blocked: 99%

## Transmission Characteristics



## Protection Factor Results

Mean of all Measurements: >500  
Standard Deviation: n/a  
Protection Factor: >500

## Material Sample



## Review of Results

Note that the calculated protection factor (PF) is for the film only and does not address the intended use of the film or the combined effect of transmission of solar ultraviolet radiation through the film and the protection characteristics of the material it is applied to. The combined protection factor may be higher when the film has been applied to the surface of a material. It is recommended to promote films with protection factors higher than 50 as "50+".

## 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. Version 1.4-15/03/2011

Technician S. Hinton 27/10/2015  
Shirley Hinton

Signatory: A.W. McLennan 27/10/2015  
Alan McLennan