

## SOLAR AND OPTICAL PROPERTIES

### SOLAR GAIN

The amount of heat increase resulting from solar energy entering a room. It is the total of 3 separate parts – the amount of energy transmitted directly into the room, the energy which is absorbed by the blind and a proportion of the energy which is absorbed by the window.

### SHADING CO-EFFICIENT

The solar heat gain with the blind at the window divided by the solar heat gain with no blind at the window. The lower the shading co-efficient, therefore. The higher then efficiency of the fabric.

### G-TOT

The total solar energy transmittance entering a building through a window and shading device combined. It is the ration of total energy hitting the building and the amount that gets through the glazing and shading. The lower the GTOT value, the lower the heat gain to the building.

| UNIVIEW® 3000 ECO SOLAR AND OPTICAL PERFORMANCE |       |      |      |         |      |      |         |     |    |      |      |      |      |      |      |      |      |  |  |
|---|-------|------|------|---------|------|------|---------|-----|----|------|------|------|------|------|------|------|------|--|--|
|   | Solar |      |      | Visible |      |      | UV      | QRF | CF | GTOT |      |      |      | SC   |      |      |      |  |  |
|   | RS %  | TS % | AS % | RV %    | TV % | AV % | Block % |     |    | SG   | DG   | TG   | DGLE | SG   | DG   | TG   | DGLE |  |  |
| Uniview® 3000 Eco                               |       |      |      |         |      |      |         |     |    |      |      |      |      |      |      |      |      |  |  |
| Athena  | 68    | 21   | 11   | 74      | 19   | 7    | 96      | 7   | 5  | 0.34 | 0.36 | 0.34 | 0.35 | 0.40 | 0.42 | 0.39 | 0.41 |  |  |
| Quartz  | 51    | 12   | 37   | 52      | 10   | 38   | 96      | 5   | 5  | 0.43 | 0.44 | 0.39 | 0.41 | 0.51 | 0.52 | 0.45 | 0.47 |  |  |
| Luna  | 41    | 8    | 51   | 39      | 6    | 55   | 95      | 4   | 5  | 0.48 | 0.49 | 0.41 | 0.44 | 0.57 | 0.57 | 0.49 | 0.51 |  |  |
| Intense   | 12    | 4    | 84   | 10      | 4    | 86   | 96      | 1   | 5  | 0.65 | 0.63 | 0.49 | 0.53 | 0.76 | 0.74 | 0.56 | 0.61 |  |  |

### GLOSSARY

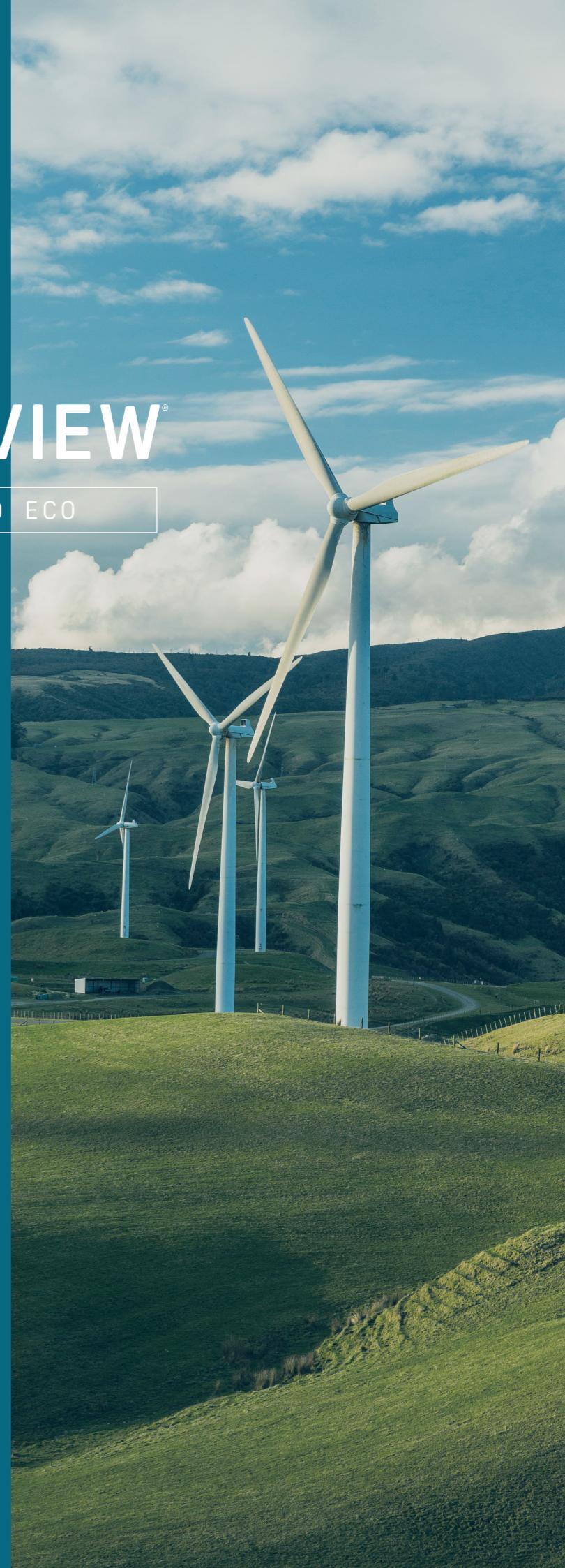
**T:** % Transmittance.  
**R:** % Reflectiveness.  
**A:** % Absorption.  
**UV Block:** Percentage of UV light blocked by the fabric.

**QRF:** Quick Reference Factor.  
**CF:** Colour Fastness.  
**gtot:** The solar factor entering a building through a window and the shading device combined.

**SC:** Shading Co-efficient.  
**SG:** Single Glazing.  
**DG:** Double Glazing.  
**TG:** Triple Glazing.  
**DGLE:** Double Glazing Low Emissivity.

UNIVIEW®

3000 ECO



# UNIVIEW®

3000 ECO

Introducing Uniview® 3000 Eco, an innovative solar screening solution crafted with sustainability in mind. Ideal for residential, commercial, educational, and healthcare settings. Uniview® 3000 Eco has been expertly woven with 86% recycled polyester, combining superior performance with a commitment to fostering a more circular economy. Available in 4 versatile colourways.

Uniview® 3000 Eco is highly durable, wipeable and will not fray. Additionally Uniview® 3000 Eco is FR, fully recyclable and REACH compliant, resulting in a fabric that satisfies market demand for sustainable screen fabrics.

## UNIVIEW® 3000 ECO SPECIFICATION

|                        |   |
|------------------------|---|
| Colour range           | 4   |
| Roller Length          | 20m   |
| Roller Width           | 3m  |
| Fabric Composition     | 86% Recycled Polyester  |
| Mesh/cm                | 18x19   |
| Mesh Weight            | 300 g/m <sup>2</sup> ± %1   |
| Thickness              | 0,54 ± %10  |
| Yarn Diameter          | 0.33mm x 0.33mm   |
| Breaking Strength      | 330 x 330 lbs (ASTM D5035)  |
| Openness Factor        | 3%  |
| Care & Washing         | Clean by gently wiping with a damp cloth. Do not soak or use any soap or detergent. |
| Colour Fastness        | BS EN ISO 105-B02:2017  |
| Direction on roll      | Single Directional  |
| Cut                    | Cut by Drop   |
| Flammability Standards | BS5867-2:2008 TYPE B FR   |
| Property               | Dimout  |
| Samples                | Fabric samples available on request.  |



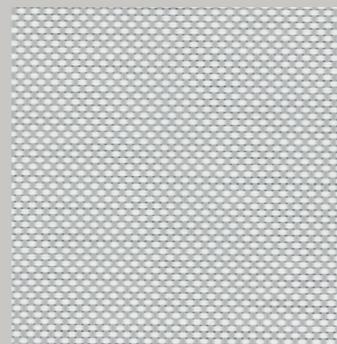
# UNIVIEW®

3000 ECO



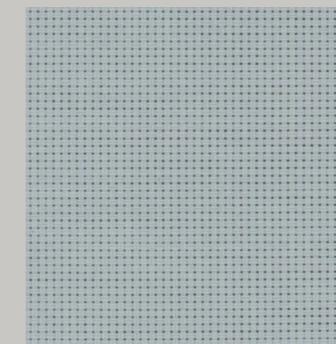
ATHENA

RPU769 - 3.00m



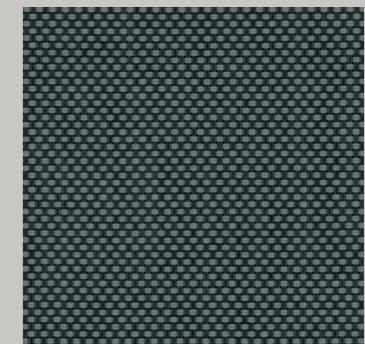
QUARTZ

RPU770 - 3.00m



LUNA

RPU768 - 3.00m



INTENSE

RPU767 - 3.00m

**OEKO-TEX®**  
CONFIDENCE IN TEXTILES  
**STANDARD 100**



GREENGUARD  
PRODUCT CERTIFIED FOR  
ENVIRONMENTAL EMISSIONS  
UL COM/EG  
UL 2818



cradle to cradle  
GOLD