

# Renew™

Renew™ has a specially developed transparent exterior coating which is applied to clear glass during manufacture, producing an innovative dual cleaning action. Once exposed to daylight it reacts with the UV rays to breakdown and disintegrate organic dirt deposits such as bird droppings and tree sap. When water hits the glass, Renew™ has a hydrophilic quality that assists in washing dirt away without leaving spots or streaks. In laminate form, Renew™ is a Grade A laminated Safety glass.

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## Features

### **Cleaner Windows**



Renew has a specially developed, completely transparent exterior coating. This is applied during manufacture to clear glass, producing an innovative dual cleaning action. Once exposed to daylight it reacts with the UV rays to breakdown and disintegrate organic dirt deposits such as bird droppings and tree sap. Secondly, when water hits the glass, Renew has a hydrophilic quality that assists in washing dirt away without leaving spots or streaks.



### **Experience Clear Views**

Transparent with virtually identical properties to clear glass of the same thickness..



### **Save on the Effort and Cost of Cleaning**

The special coating on Renew keeps glass free from organic dirt, saving time, money, water and detergents - all associated with window cleaning for the life of the window.

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## Product Range

### **Clear**

Available Thickness (mm) 6, 6.38

Maximum Sheet Size (mm) 5100x3210

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## Applications

### **External**

Doors, Windows, Roof Glazing

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# Technical Data

## Performance

### Single Glazing

Product Name	Nominal Thickness	Visible			Solar		UV Trans.	U-Value	SHGC	Shading Co.	Weight m <sup>2</sup>
		Trans.	Refl. Out	Refl. In	Trans.	Refl.					
Renew™ Clear (#1)	6	82	15	15	75	12	44	5.8	0.79	0.9	15
Renew™ Clear (#1)	6.38	79	18	17	68	14	<1	5.8	0.74	0.85	15.4

### Double Glazing

Product Name	Nominal Thickness	Visible			Solar		UV Trans.	U-Value	SHGC	Shading Co.	Weight m <sup>2</sup>
		Trans.	Refl. Out	Refl. In	Trans.	Refl.					
Renew™ Clear (#1) + QFloat™ Clear	6+12+6	74	21	20	59	16	33	2.7	2.6	0.68	0.78
Renew™ Clear (#1) + EnergyTech™ Clear (#3)	6+12+6	68	23	21	50	19	27	1.9	1.6	0.65	0.74
Renew™ Clear (#1) + QFloat™ Clear	6.38+12+6	70	23	22	54	17	<1	2.7	2.5	0.64	0.73
Renew™ Clear (#1) + EnergyTech™ Clear (#3)	6.38+12+6	65	25	22	47	19	<1	1.9	1.6	0.6	0.69
											30.4

## Considerations

### Coating

Coating to surface #1.

### Application

Use recommended sealant as per Oceania Glass' recommendation.

### Installation

Renew is a self-cleaning product designed for organic material deposits on glass. It is not effective at breaking down salt deposits or other inorganic materials. It is therefore not recommended for use in coastal or high salinity areas where salt film build up is an issue. Can be installed on sloped roofs of any angle no less than 10 degrees and 30 degrees is recommended. Exposed edges should be protected from moisture ingress.

## How to Specify

Available colours and thicknesses:

**Clear** 6 & 6.38mm

Select from: Annealed, Heat Strengthened, Toughened or Toughened Heat Soaked

\*If unsure, select in compliance with AS1288-2021 or manufacturers recommendation.\*

The glass shall comply with the following performance criteria:

- U value
- Solar Heat Gain Coefficient (SHGC)
- Visible Light Transmission %
- Glass Only Values
- Total window

### Toughened

Glass converted to a safety glass by subjection to a process of pre-stressing so that, if fractured, the entire piece disintegrates into small, harmless particles. Toughened glass is a Grade A Safety Glass

### Heat Soaking

Heat soak testing is a destructive test, which reduces the likelihood of spontaneous breakage by converting impurities such as nickel sulphide inclusions. Heat soaking is required in some but not all applications. If unsure, select in compliance with AS1288-2021 or manufacturers recommendation.

### Heat Strengthening

All glass which requires extra strength and thermal resistance will be heat strengthened. Heat strengthening increases the strength of annealed glass; however, it is not a substitute for toughened glass.

In the event of fracturing heat strengthened glass will crack and tends to remain in glazed position.

All glass is to be selected and installed in accordance but not exclusively with the following Australian and/or New Zealand Standards

- AS 1288 Glass in Buildings Selection and Installation
- AS 1170 Minimum Wind Loads on Structures
- AS/NZ 2208 Safety Glazing Materials in Buildings
- AS/NZ 4666 Insulating Glass Units
- AS/NZ 4667 Quality Requirements for cut-to-size and Processed Glass