

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.

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.



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.



Experience Clear Views

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

Product Range

Clear

Available Thickness (mm)	6, 6.38
Maximum Sheet Size (mm)	5100x3210

Applications

External

Windows, Doors, Balustrades, Roof Glazing

Technical Data

Performance

Single Glazing

Product Name	Nominal Thickness	Visible			Solar		UV Trans	U-Value		SHGC	Shading Co.	Weight m ²
		Trans.	Refl. Out	Refl. In	Trans.	Refl.		Air	Argon			
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	69	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 ²
		Trans.	Refl. Out	Refl. In	Trans.	Refl.		Air	Argon			
Renew™ Clear (#1) + QFloat™ Clear	6+12+6	74	21	20	59	16	33	2.7	2.5	0.68	0.78	30
Renew™ Clear (#1) + QFloat™ Clear	6.38+12+6	70	23	22	55	17	<1	2.7	2.5	0.64	0.73	30.4
Renew™ Clear (#1) + EnergyTech™ Clear (#3)	6+12+6	68	22	21	50	19	27	1.9	1.6	0.65	0.74	30
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.

Installation

Renew is not effective at breaking down salt deposits or inorganic materials - not recommended for use within one kilometre of coastline. 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.

Application

Use recommended sealant as per Oceania Glass' recommendation.

How to Specify

Glass Thicknesses and colours available:

Clear 6 & 6.38mm

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

If unsure, select in compliance with AS1288–2006 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 AS1288-2006 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.

Toned Glass

Toned glass absorbs a proportion of solar radiation and may require a thermal assessment depending on application.

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