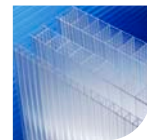




Bright ideas for your conservatory

**ariel**<sup>®</sup>

**Corotherm**





# Corotherm



## **The brightest idea for your conservatory roof.**

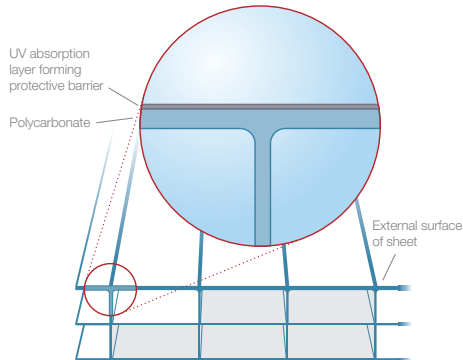
The extensive range of polycarbonate roof options available from Ariel Plastics means you can easily create the perfect ambience in your conservatory.

Whether you plan to work, study, play, relax or entertain in your conservatory there is a Corotherm option to suit. Your brightest idea is to ask for Corotherm in your conservatory roof.

## Quality Multiwall Polycarbonate Sheet

- Corotherm offers impact resistance up to 200 times that of glass
- Insulating glazing sheet which can achieve a u-value as low as  $1.2\text{W/m}^2\text{K}$
- Lightweight in nature, compared to single or double glass glazing
- 98% of harmful UV solar radiation is eliminated
- Available in a range structures depending on the thermal performance requirement
- Range of tints means varying degrees of light transmission can be achieved
- Corotherm means the perfect ambience can be created for your conservatory

### UV Light Absorption Layer



### Clear

- Creates a bright and spacious feeling environment
- Maximises light getting into the conservatory – light transmission of 77%\*
- Maximises solar gain
- Perfect for sun lovers
- Will require blinds to prevent overheating in the summer months

\* based on 16mm Triplewall



### Bronze

- Blends in with dark coloured conservatories
- Tones in with dark roof finishes
- Limits the amount of light entering the conservatory
- Minimises glare from the sun
- Heat gain is reduced compared to clear material
- Light transmission of 18%\*

\* based on 16mm Triplewall





## Opal

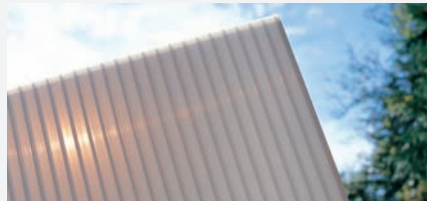
- Virtually opaque sheet, desirable feature in built up areas
- Provides a private setting with a soft light quality
- Reduces glare – especially important for studying or working
- Eliminates sun 'hotspots' but keeps the environment bright
- Light transmission of over 40%\* means you can still enjoy the benefits of the sun

\* based on 16mm Triplewall



## Heatguard Opal

- Silvery grey in colour externally
- Opal surface internally
- Creates a soft light quality
- Reduces heat build up by up to 50% compared to clear material
- Prevents the conservatory from overheating in hot weather
- Eliminates the need for blinds



## Bronze Opal

- Bronze external and opal internal surface
- Blends with dark coloured conservatories
- Creates a private internal environment
- Provides soft light quality

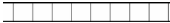








## Extensive Range

Corotherm is available in a range of thicknesses and structures to suit your specific requirements.

The majority of UK conservatories use 25mm fivewall which offers the best insulating option for conservatories today. Where energy efficiency is of primary importance, 25mm fivewall, 32mm sevenwall or 35mm sevenwall will achieve outstanding thermal performance.

Structure	Thickness mm	U-Value W/m²K	Light Transmission %				
			Clear	Opal	Bronze	Bronze Opal	Heatguard Opal
			Light Transmitting			Solar Controlling	
<b>Twinwall</b> 	10	3.2	82	-	-	-	-
<b>Triplewall</b> 	16	2.4	77	42	18	-	-
<b>Fivewall</b> 	25	1.6	68	30	11	8	7
<b>Sevenwall</b> 	32	1.25	64	33	7	7	4
<b>Sevenwall</b> 	35	1.2	63	31	7	7	4



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The Corotherm logo features a stylized teal arrow pointing to the right, positioned above the word "Corotherm" in a bold, lowercase, sans-serif font.