

Information on 35mm opal polycarbonate with silver solar inserts



- Marlon 35mm opal is a seven wall structured polycarbonate. The seven walls make it a very strong but lightweight material.
- It has a co extruded UV protective layer on the external side .The solar inserts are fitted in the layer closest to the outside of the conservatory. They reflected radiant heat.
- The solar inserts are solar reflective and will reflect 80% of solar heat out of the conservatory whilst giving you an insulation U value of 1.1 W/m2K.

| | 25mm Clear | 35mm heatguard on opal | 35mm opal Silver solar inserts | 24mm clear glass | 24mm clear Low E glass | 24mm clear Low E argon filled glass | 24mm Activ Blue glass | 24mm Activ Blue Argon filled Low E glass |
|--------------------|------------|------------------------|---------------------------------------|------------------|------------------------|-------------------------------------|-----------------------|--|
| Solar Reflection | Low | 50% | 80% | 24% | 52% | 52% | 52% | 60% |
| U Value W/m2k | 1.6 | 1.2 | 1.1 | 2.7 | 2.7 | 1.2 | 2.7 | 1.2 |
| Light Transmission | 68% | 10% | 6% | 65% | 65% | 65% | 52% | 47% |
| Glare Reduction | Low | High | Excellent | Low | Low | Low | Medium | Medium |