



THERMAL PERFORMANCE

Windell use a combination of Pilkington Optilam™ and Dorma Universal Patch fittings for Interior Glazing

| Product | Light Transmittance % | Light Reflectance % | g-value % | U-value (W/m²K) | UV Transmittance % | EN 356 | EN 12600 Classification |
|-----------------------------------|-----------------------|---------------------|-----------|-----------------|--------------------|--------|-------------------------|
| Pilkington Optilam™ 4.4 | 89 | 8 | 82 | 5.8 | 3 | – | 3(B)3 |
| Pilkington Optilam™ 6.4 | 88 | 8 | 79 | 5.7 | 3 | – | 2(B)2 |
| Pilkington Optilam™ OW 6.4 | 91 | 8 | 86 | 5.7 | 3 | – | 2(B)2 |
| Pilkington Optilam™ 8.4 | 87 | 8 | 77 | 5.7 | 3 | – | 2(B)2 |
| Pilkington Optilam™ 10.8 | 86 | 8 | 74 | 5.6 | 1 | P2A | 1(B)1 |
| Pilkington Optilam™ 6.8 | 88 | 8 | 78 | 5.7 | 1 | P2A | 1(B)1 |
| Pilkington Optilam™ OW 6.8 | 91 | 8 | 85 | 5.7 | 1 | P2A | 1(B)1 |
| Pilkington Optilam™ 8.8 | 87 | 8 | 76 | 5.6 | 1 | P2A | 1(B)1 |
| Pilkington Optilam™ 12.8 | 85 | 8 | 72 | 5.5 | 1 | P2A | 1(B)1 |
| Pilkington Optilam™ 7.5 | 88 | 8 | 77 | 5.7 | 0 | P4A | 1(B)1 |
| Pilkington Optilam™ OW 7.5 | 91 | 8 | 83 | 5.7 | 0 | P4A | 1(B)1 |
| Pilkington Optilam™ 9.5 | 87 | 8 | 75 | 5.6 | 0 | P4A | 1(B)1 |

Thermal Performance of Optilam™ colours range

| Description | Light Transmittance | Solar Radiant Heat (to EN410) | | | |
|---|---------------------|-------------------------------|-------------|-------------|--------------------|
| | | Direct Transmittance | Reflectance | Absorptance | Total Transmission |
| 6.4mm Pilkington Optilam™ Green 3773 | 0.71 | 0.61 | 0.06 | 0.33 | 0.70 |
| 6.4mm Pilkington Optilam™ Grey 5042 | 0.38 | 0.40 | 0.05 | 0.55 | 0.54 |
| 6.4mm Pilkington Optilam™ Translucent White 3065 | 0.60 | 0.52 | 0.06 | 0.42 | 0.63 |
| 6.4mm Pilkington Optilam™ Ocean Blue 4071 | 0.74 | 0.65 | 0.06 | 0.28 | 0.73 |
| 6.4mm Pilkington Activ Optilam™ Brown | 0.49 | 0.46 | 0.13 | 0.40 | 0.57 |
| 6.4mm Pilkington Optilam™ Light Brown 4055 | 0.53 | 0.48 | 0.05 | 0.46 | 0.60 |
| 6.4mm Pilkington Optilam™ Medium Brown 6028 | 0.23 | 0.25 | 0.05 | 0.70 | 0.44 |
| 6.4mm Pilkington Optilam™ Dark Brown 8009 | 0.08 | 0.12 | 0.04 | 0.83 | 0.34 |

Tested by: Pilkington