



MULTICLEAR® BOX 2 Wall

MULTICLEAR® BOX is a standard multiwall sheet.

A TWIN WALL EXTRUDED MULTIWALL

POLYCARBONATE SHEET

MULTICLEAR® BOX is a standard multiwall sheet. This range offers higher light transmission products with lower weight for handling and transportation.



MULTICLEAR® BOX 2 Wall QUALITIES...

- HIGH LIGHT TRANSMISSION
- EXCELENT BENDING RADIUS
- ONE SIDE UV PROTECTION AS STANDARD
- TWO SIDED UV PROTECTION AVAILABLE EXCEPT 4-6 mm
- LIGHT WEIGHT – SIMPLE HANDLING AND INSTALLATION
- AESTHETICALLY PLEASING
- AVAILABLE in THICKNESS OF 4, 6, 8 and 10mm



MULTICLEAR® QUALITIES

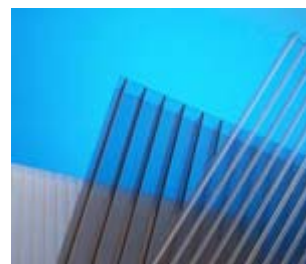
Transparent and translucent · Comprehensive warranties · Good portfolio of closed edge widths · Standard opal is produced with diffusing additives · Knife cutting used in all cutting operations avoiding saw dust UV PROTECTION

MULTICLEAR® BOX is standard one side UV protected sheet. The product is also available with two side UV protection in all thicknesses, except 4-6 mm. There is a 10 year limited warranty against discolouration, loss of impact strength and light transmission due to weathering.



COLOURS

Opal, white and bronze as standard for all thicknesses. Other colours are available and are subject to respective minimum quantities and surcharges. The opal colours are produced using diffusing additives offering a quality translucent product with uniform spread of light.



APPLICATION AREAS

The superior impact strength and increased light transmission of MULTICLEAR® BOX 2 Wall makes it a great choice for a lot of various applications. For example: Building Industry - roofing, cladding, sidewalls, conservatories, domes, skylights, sheds, car ports, smoke vents, swimming pool covers, suspended ceilings, glasshouses, sunrooms, shopping, centre roofing, railway/metro station, stadia roofing and partitions. Lighting / Packaging - lamp optics and neon signs boxes, pallet shields, protective covers for fragile items. Advertising - illuminated signs and advertising panels. Agriculture - greenhouses, lorry/tractor ports and farm/barn buildings.

AVAILABILITY IN

Standard Colours such as: Opal, White and Bronze

Special finishes such as:

HAMMER FINISH, NO-DROP, SOLAR CONTROL GREY, SOLAR CONTROL SG

Please note: Minimum quantities vary by the width requirements and product options. Special thicknesses and sizes are available upon request. Please contact the local area office for more information.

MULTICLEAR® BOX 2 Wall PROPERTIES

| MULTICLEAR® BOX 2 Wall | Thickness mm | Step mm | Weight g/m ² | K-Value W/m ² K | Width (mm) | | | | UV Side | Color | |
|---------------------------|-----------------|------------|----------------------------|-------------------------------|------------|------|------|-----|------------|-------|--------|
| | | | | | 2100 | 1250 | 1200 | 980 | | Opal | Bronze |
| | 4 | 6 | 800 | 3,9 | ✓ | | | | 1 | ✓ | ✓ |
| | 6 | 6 | 1300 | 3,5 | ✓ | | | | 1 | ✓ | ✓ |
| | 6 | 10 | 1300 | 3,5 | ✓ | | | | 1(2) | ✓ | ✓ |
| | 8 | 10 | 1500 | 3,2 | ✓ | ✓ | ✓ | ✓ | 1(2) | ✓ | ✓ |
| | 10 | 10 | 1700 | 3,0 | ✓ | ✓ | ✓ | ✓ | 1(2) | ✓ | ✓ |

| Egenskap | MULTICLEAR® BOX 2 Wall | Enhet | Standard |
|----------|---------------------------|-------|----------|
|----------|---------------------------|-------|----------|

Mechanical Properties

| | | | |
|---|------|---------|------------|
| Elastic modulus | 2300 | MPa | ISO 527 |
| Charpy unnotched impact strength +23°C | NB | | ISO 179 |
| Rockwell hardness | M70 | R-scale | ISO 2039-2 |
| Tensile strength at yield (at break) | | MPa | ISO 527 |
| Charpy unnotched impact strength -40 °C | NB | | |

| Egenskap | MULTICLEAR® BOX 2 Wall | Enhet | Standard |
|--|---------------------------|------------------------------------|-------------|
| Physical Properties | | | |
| Density | | g/cm ³ | ISO 1183 |
| Refractive index | 0,15 | | ISO 489 |
| Moisture absorption 24 hours, 23°C, 50% RH | 1,586 | % | ISO 62 |
| Thermal Properties | | | |
| Heat deflection temperature, HDT A (1,8 N/mm ²) | 132 | °C | ISO 75 |
| Heat deflection temperature, HDT B (0,45 N/mm ²) | 142 | °C | ISO 75 |
| Thermal conductivity | 0,21 | W/m.K | DIN 52612 |
| Vicat temperature VST/B 50 | 148 | °C | ISO 306 |
| Specific heat capacity, Cp | 1,17 | kJ/kg.K | |
| Linear coefficient of thermal expansion (23-80°C) | 0,70 | 10 ⁻⁴ x K ⁻¹ | ISO 2039-2 |
| Vicat softening temperature B120 | 149 | °C | ASTM D 2220 |

Properties reported here are typical values. Arla Plast makes no representation that the material in any particular shipment will conform exactly to the values give. The above information is based upon experience and given in good faith. Due to many factors which are outside our knowledge and control, no warranty is given or is to be implied with respect to such information. Detailed product specification and technical manual/information is available on request. Please note: Minimum quantities vary by the width requirements and product options. Special thicknesses and sizes are available upon request. Please contact the local area office for more information.



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