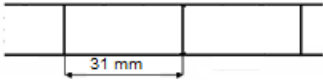


# 16 mm MULTICLEAR® Box 2 Wall HG



MULTICLEAR® Box 2 Wall HG is a range of extruded multiwall polycarbonate sheet specifically designed to offer increased transparency combined with solid rigidity. Resulting in cost saving by using less glazing bars for installations hence increased light transmittance.

MULTICLEAR® BOX 2 Wall HG is a transparent or translucent sheet with one side UV protection (also available with two side UV protection). Standard available in clear, opal and bronze. Available in thicknesses 16 mm only.

Knife cutting operation is used both online and offline to avoid saw dust.

MULTICLEAR® BOX 2 Wall HG has a 10 year limited warranty against discoloration, loss of impact strength and light transmission due to weathering.

**Also available in:**

HAMMER FINISH: textured look

SOLAR CONTROL: reducing heat

Excellent fire performance: In case of fire, the sheet will melt and allow venting where heat and smoke will be let out and therefore reduce the growth of fire by flame spread.

Classification B-s1,d0 according to EN 13501-1 (Fire classification of construction products and building elements - reaction to fire tests).

**MULTICLEAR® Box 2 Wall HG BENEFITS:**

- Less structural glazing bars hence increased light transmission
- Large rib distance offering greater transparency
- Good wind and snow loading capacity
- Aesthetic glazing

**APPLICATION AREAS:**

Building industry – roofing, cladding, sidewalls, conservatories, domes, skylights, sheds, car ports, swimming pool covers, suspended ceilings, glasshouses, railway/metro station, stadia roofing and partitions. Lighting/packaging lamp optics and protective covers for fragile items. Advertising – illuminated signs and advertising panels. Agriculture greenhouses, lorry/tractor ports and farm/barn buildings.

## 16 mm MULTICLEAR® Box 2Wall HG TECHNICAL SPECIFICATION

Nominal Mass per unit area [g/m <sup>2</sup> ]	U-value [W/m <sup>2</sup> K]	Optical properties				Min Bending radius [m]
		Clear	Opal	Bronze	SC white	
3600	2,8	LT 77% g 75%				2,4

Standard Colours:                     Clear       Opal       Bronze  
 Standard widths:                     980 mm     1050 mm     1200 mm  
 Maximum sheet length:              10 m  
 Rib distance:                          31 mm  
 Thermal expansion:                  3,5 mm per metre  
 Other nominal mass per unit area available as Multiclear Ultra

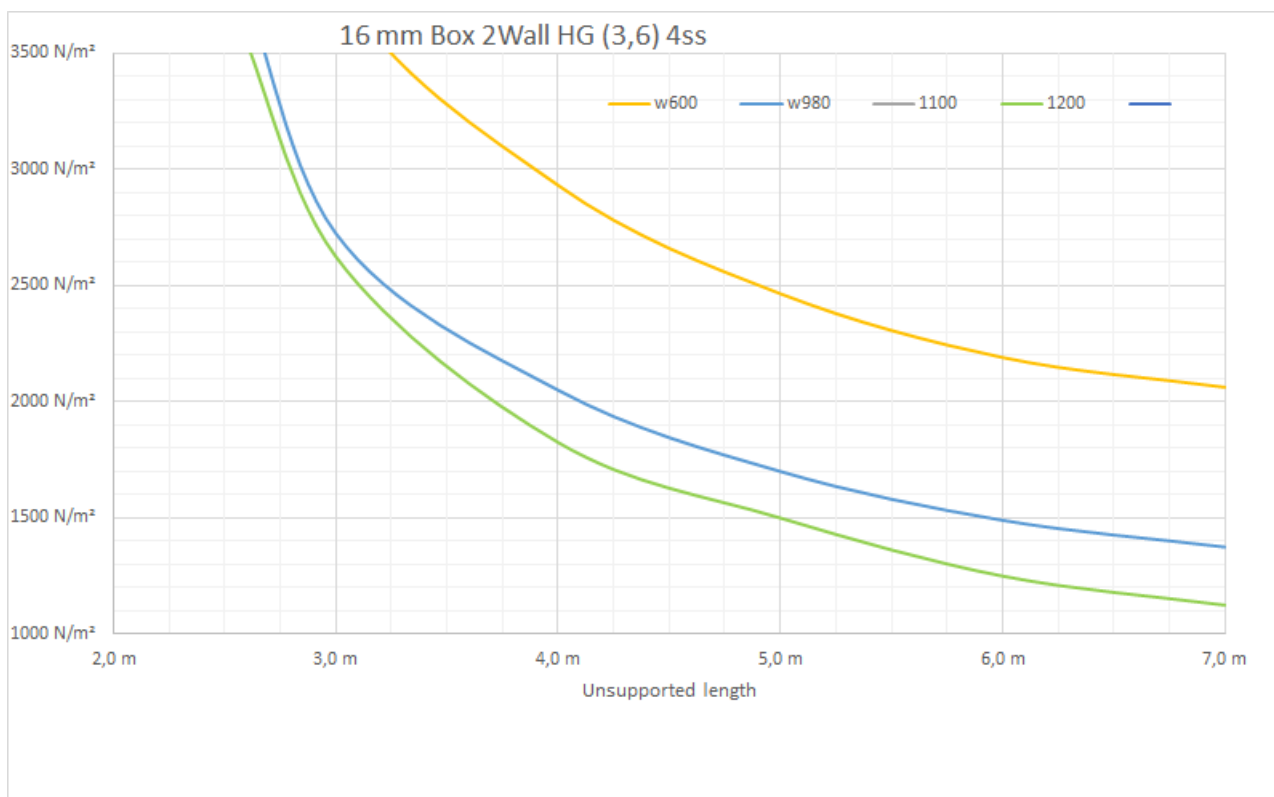
Load bearing characteristics:

Flat glazing. (For curved glazing contact Arla Plast Technical Support)

Forces applied to the Multiclear glazing must be absorbed by a suitable static substructure.

Sheet dimensions can be determined using the graph below which indicates the loading (in kN/m<sup>2</sup>) as function of the sheet length, and this is for the standard widths (980, and 1200). Please note that unlike snow loading, supports do not provide support for wind suction.

The characteristic values of system resistance were determined in an unfavorable system, where the sheets were simply supported. The loads were applied uniformly distributed (acting vertically) on the sheet. Restrictions were applied for pop-out, deflection and internal tension.



Properties reported here are typical values. Arla Plast makes no representation that the material in any particular shipment will conform exactly to the values given. 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.