ULTRAPLAST EU

Loading for Flat applications

MULTIWALL POLYCARBONATE SHEETS

Multiwall Polycarbonate sheet is exposed to wind and snow loading. It will bend under pressure, and care must be taken to choose the correct support structure to avoid breakage or falling out of the mounting profile.

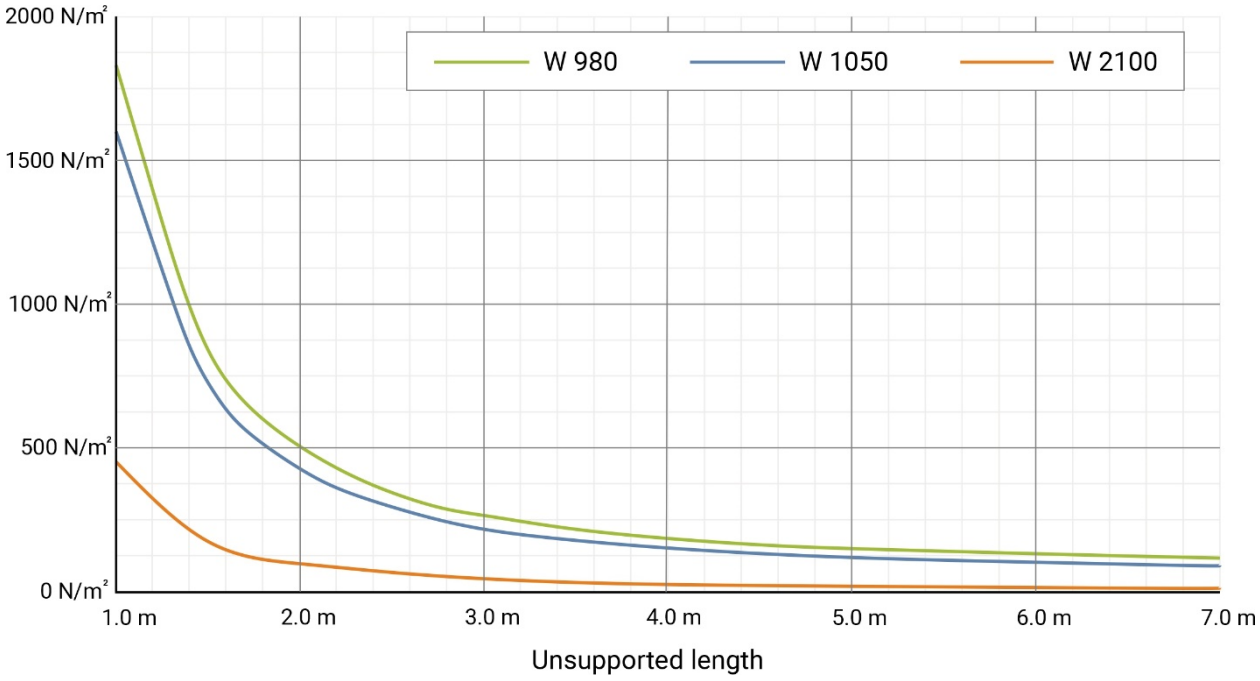
Mechanical deformation under load depends on the type of sheet, its thickness, width and length of the support, as well as climatic conditions on the construction site. In most cases, the conditions of wind and snow load are prescribed by the building regulations in force at the location of the building. It is important that when installing a Multiwall polycarbonate sheet, these building codes and regulations are carefully followed.

The following graphs display the loading curves for each product, based on four sides supported calculation results (4SS).

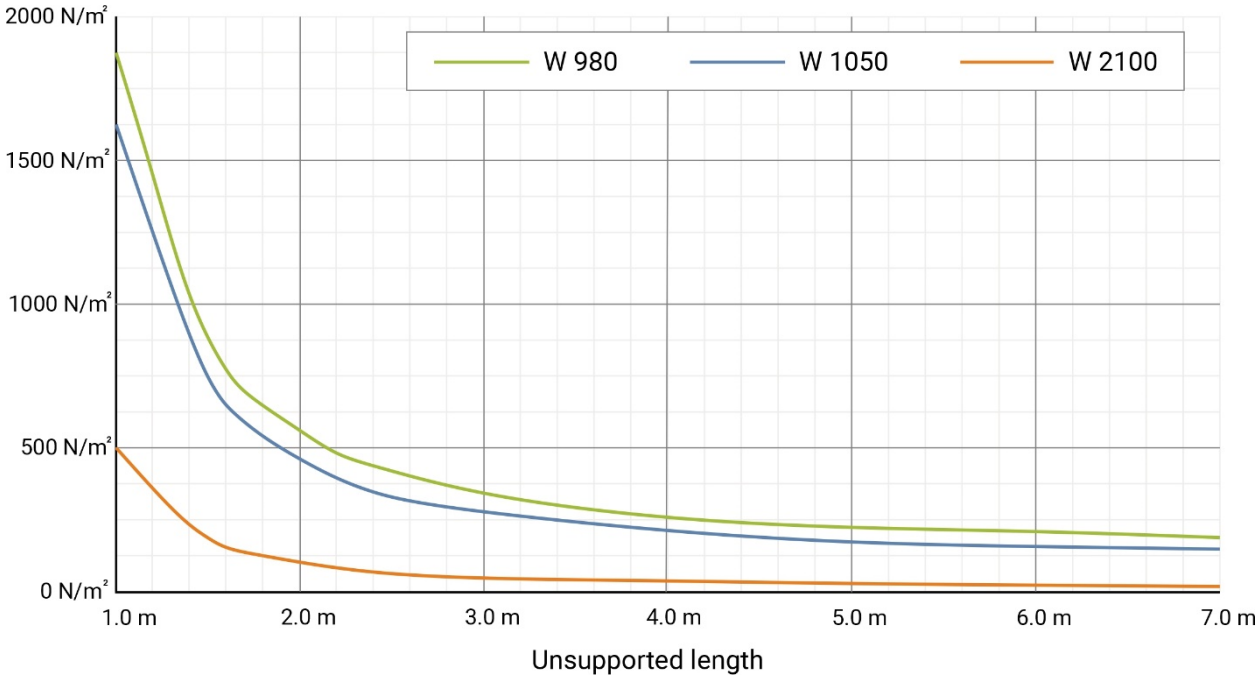
How to use the loading graphs:

1. Select your sheet type.
2. At a given load you will find the unsupported length (span), depending on the sheet width, on the abscissa.
3. If unsupported span is too low, switch over to sheets with higher load-bearing capacities or use reduced sheet width.

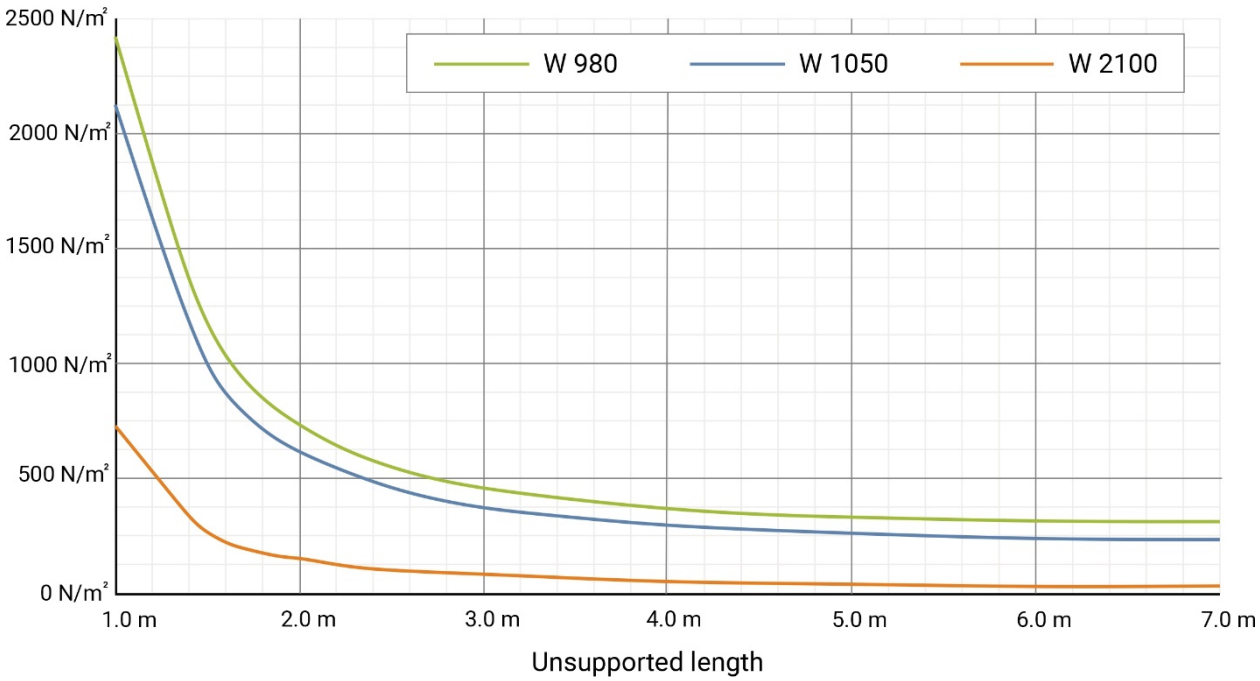
Loading graphs for 6mm/2H 1.30 kg/m^2 4SS



Loading graphs for 8mm/2H 1.50 kg/m² 4SS

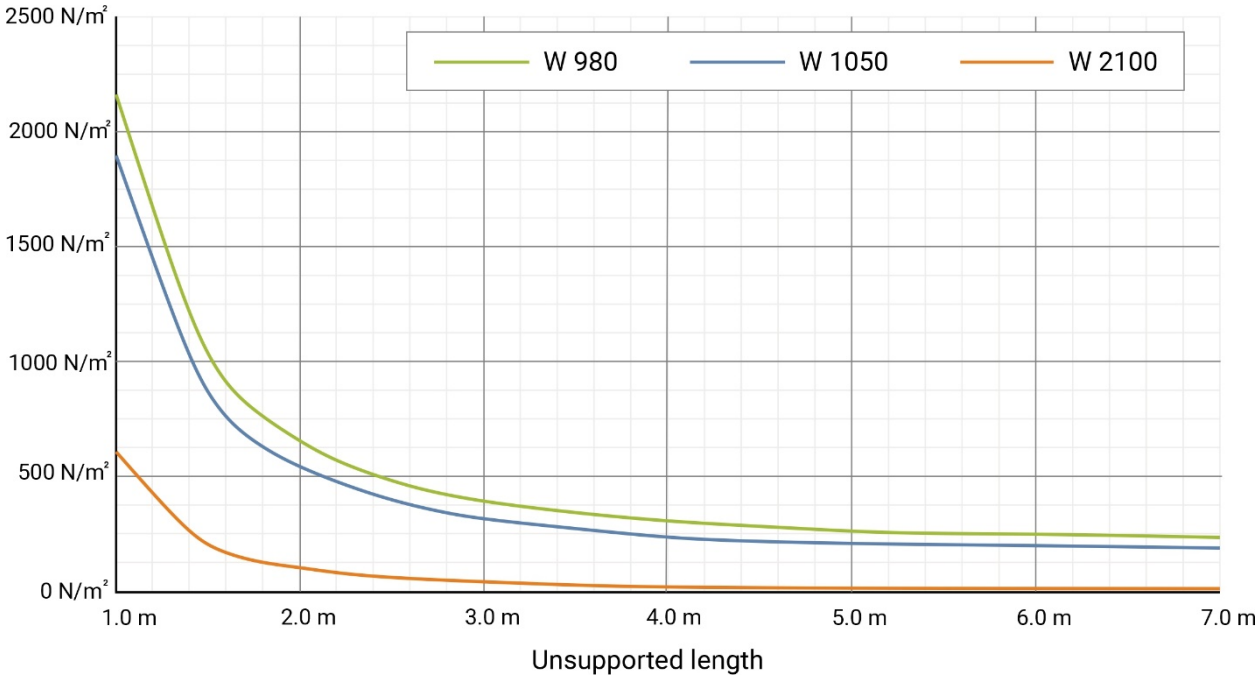


Loading graphs for 10mm/2H 1.70 kg/m² 4SS

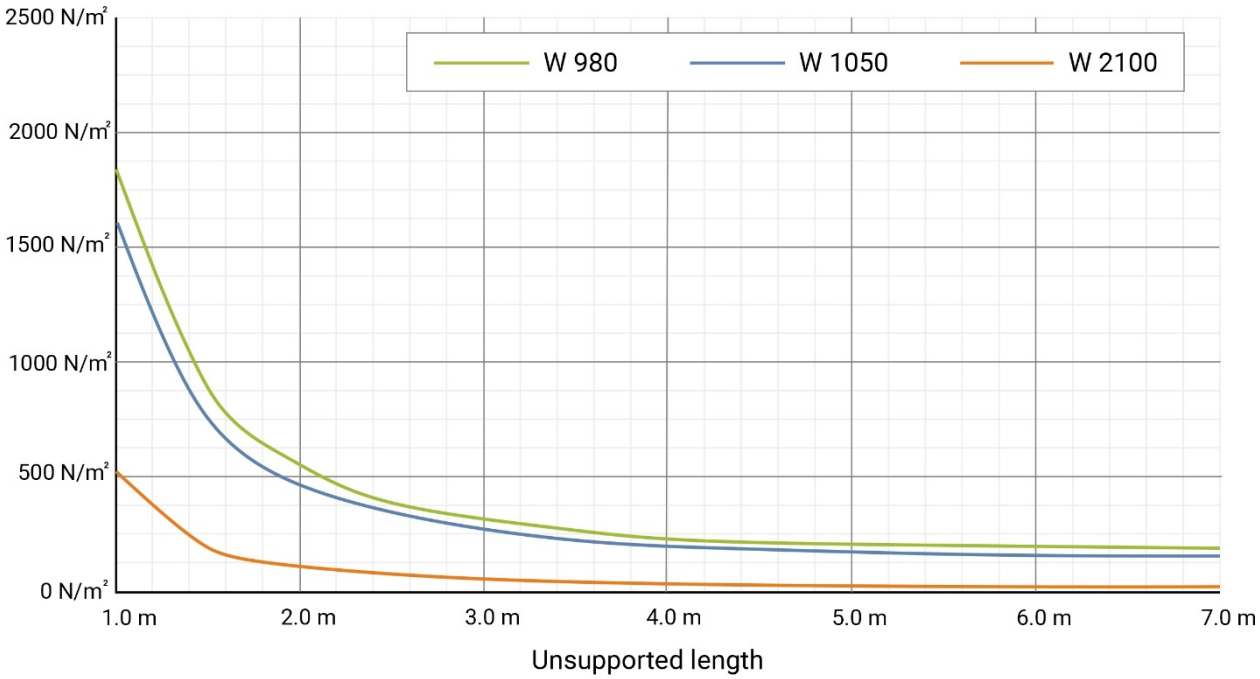


SIA ULTRAPLAST EU
Registration number: 40203069304
Ganibu iela 103, Ventspils, LV-3601, Latvija
Phone +371 676 51410, e-mail: info@ultraplast.lv
www.ultraplast.lv

Loading graphs for 10mm/5X 1.70 kg/m² 4SS

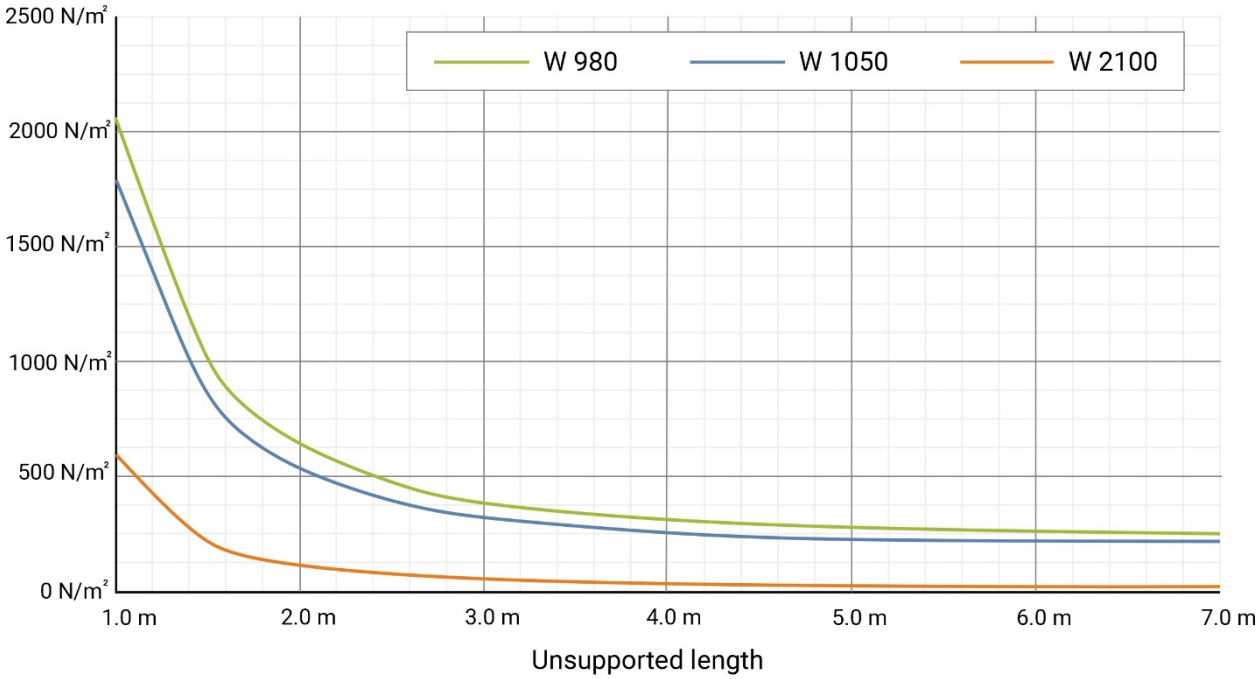


Loading graphs for 10mm/6M 1.50 kg/m² 4SS

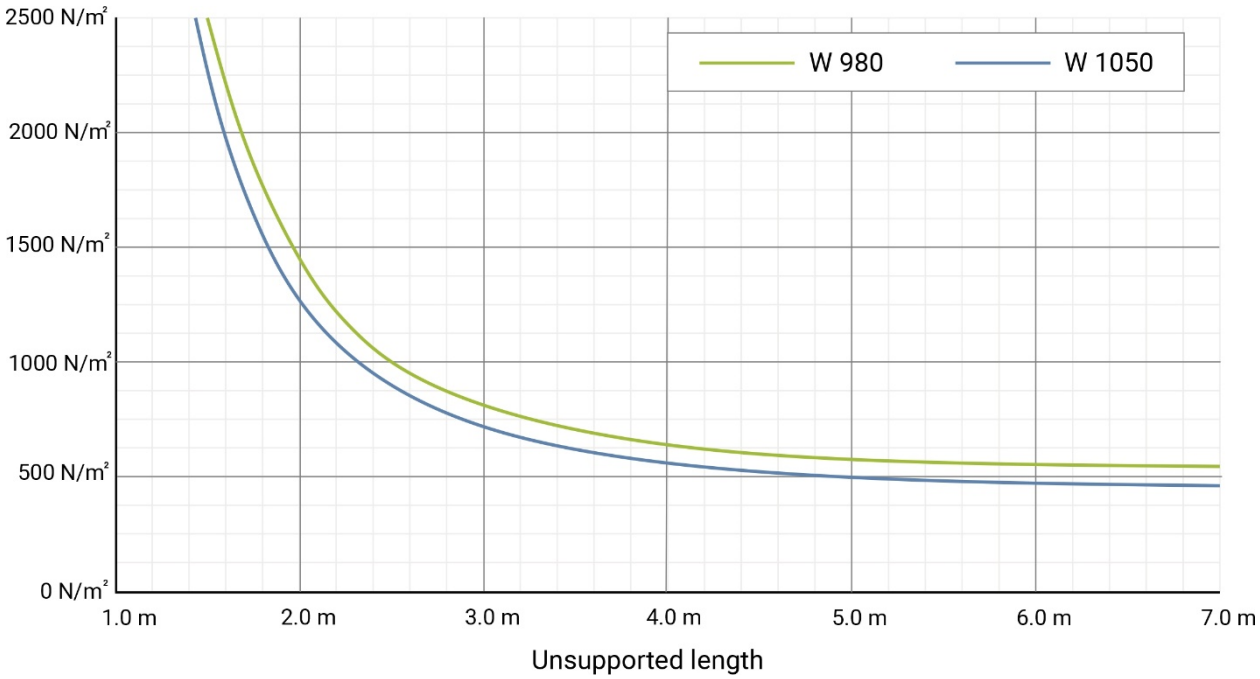


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Loading graphs for 10mm/6M 1.70 kg/m² 4SS

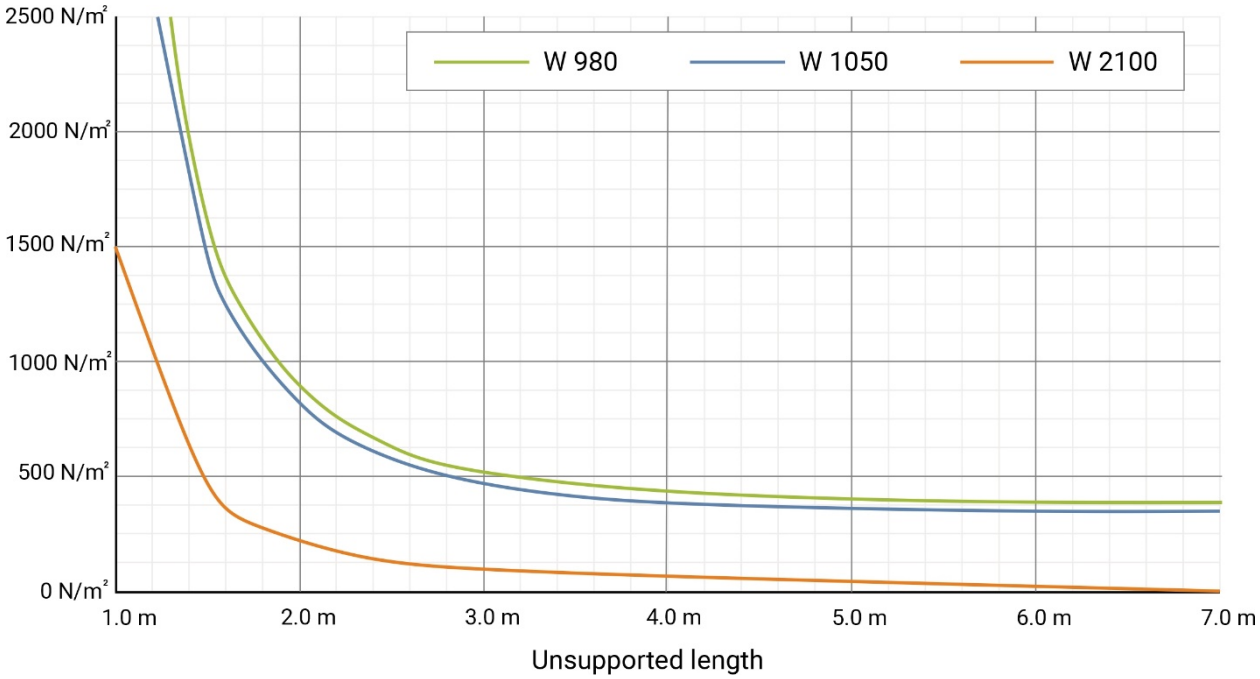


Loading graphs for 16mm/3H 2.70 kg/m² 4SS

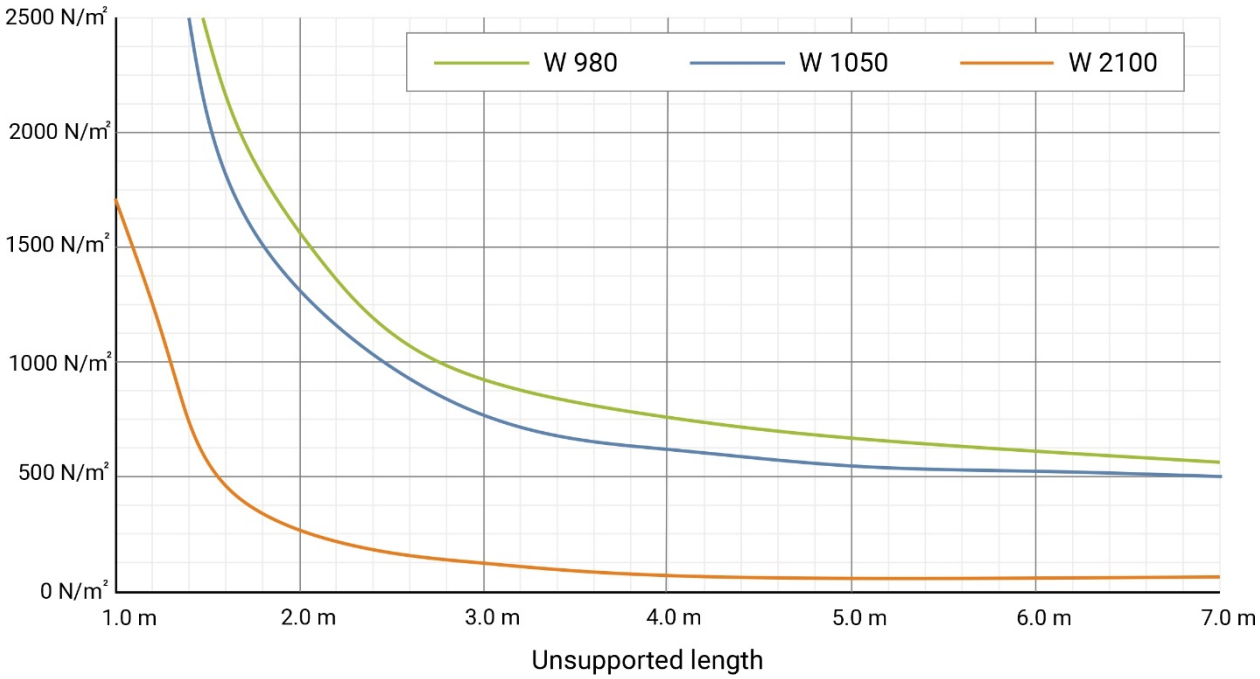


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www.ultraplast.lv

Loading graphs for 16mm/7H 2.50 kg/m² 4SS

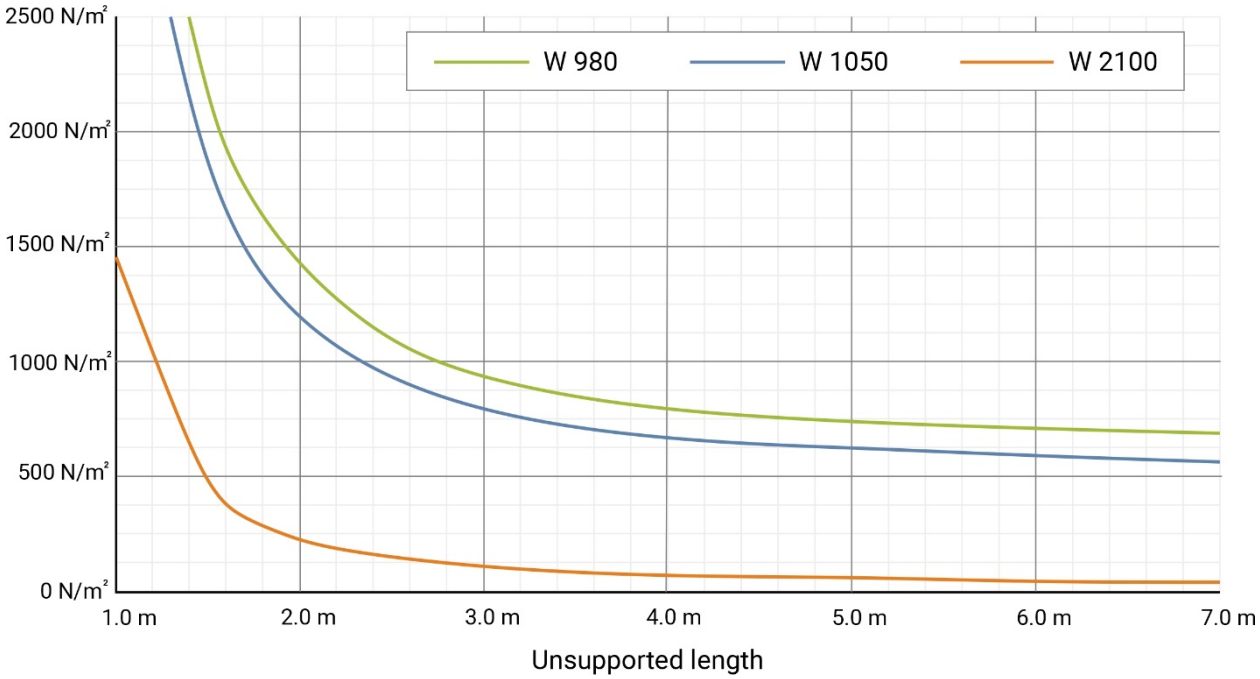


Loading graphs for 16mm/5X 2.50 kg/m² 4SS

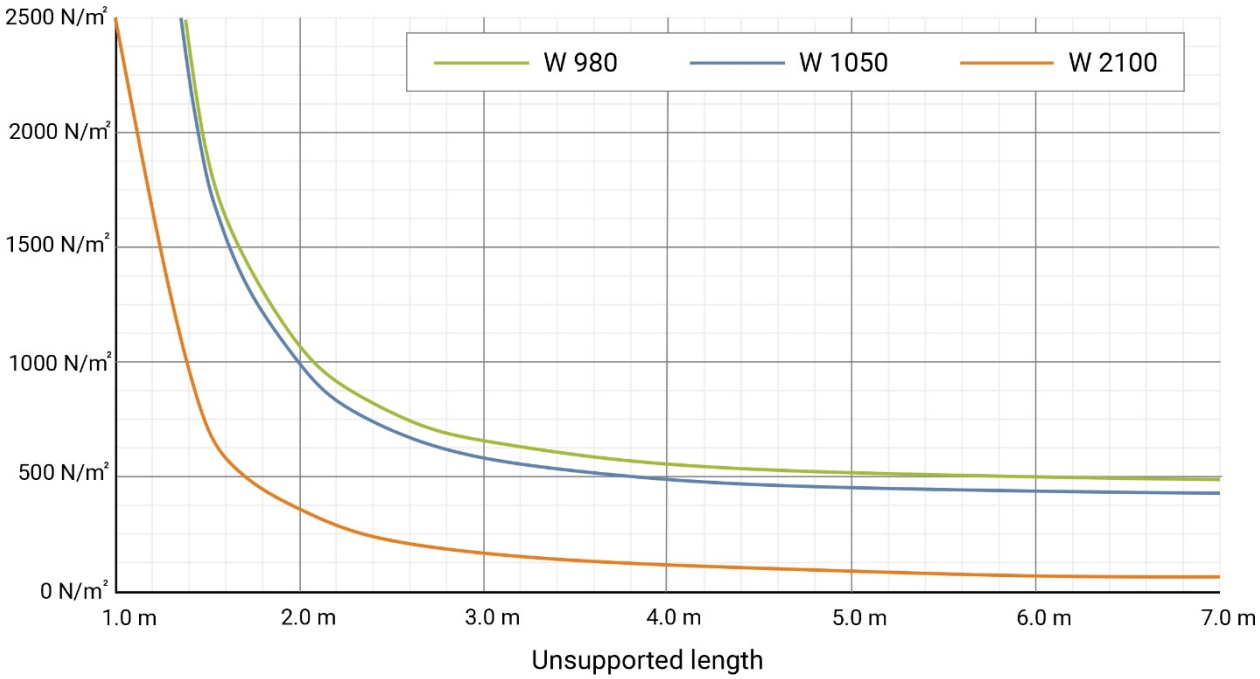


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Loading graphs for 16mm/6M 2.50 kg/m² 4SS

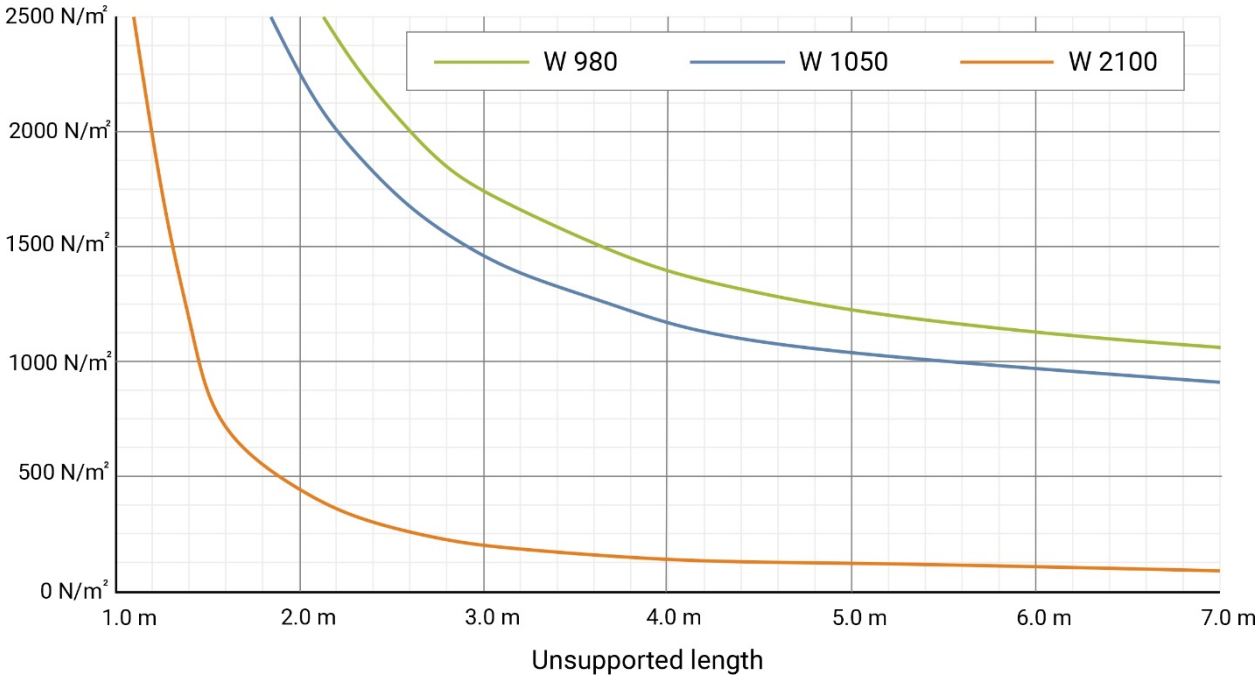


Loading graphs for 20mm/7H 3.0 kg/m² 4SS

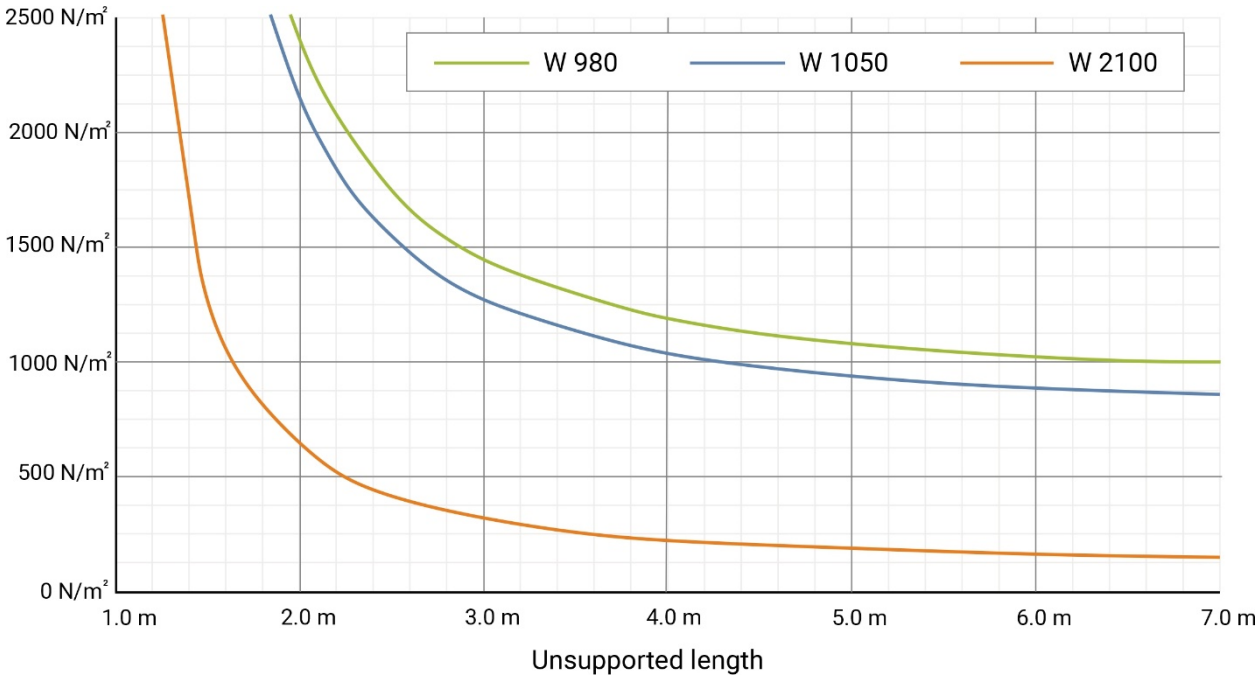


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www.ultraplast.lv

Loading graphs for 20mm/5X 3.0 kg/m² 4SS



Loading graphs for 25mm/7H 3.20 kg/m² 4SS



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Phone +371 676 51410, e-mail: info@ultraplast.lv
www.ultraplast.lv