

## Technical information, April 2005

# Makrolon® solid sheets Flat glazing

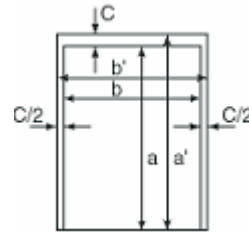
The required sheet thickness of Makrolon® sheet is a function of the size of the sheet and of the load which can be expected.

The dimensions are normally determined by the architect/designer. The load (usually wind- or snowload) has to be determined according to local or national regulations in function of the site and the height of the installed glazing. This is usually done by the architect.

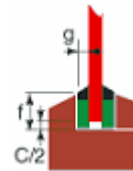
The following calculations are valid if the sheet is clamped on all 4 sides, and if the recommended rabbet depth as mentioned in table 1 is respected. Furthermore, sufficient clearance should be allowed for expansion of the Makrolon® sheet after installation.

The calculations are valid for vertical and horizontal glazing. For horizontal glazing, the slope must be a minimum of 15°.

In case of doubt it is advisable to consult Bayer Sheet Europe®.



a and b: trimmed pane dimensions  
a' and b': tight sizes  
c: edge clearance  
f: rabbet depth  
g: sealant width



a' and b' (mm)	c (mm)	f (mm)	G (mm)
≤ 500	2.5	12	3
750	3	16	4
1000	3.5	20	5
1500	4.5	22	6
2000	6	24	7
2500	7	26	8
3000	8	28	9

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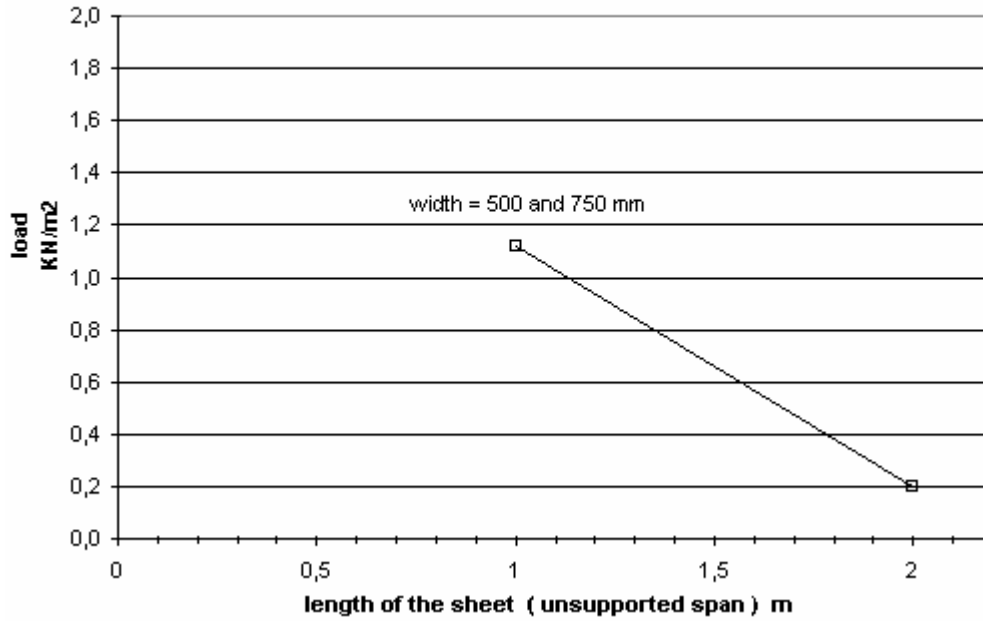


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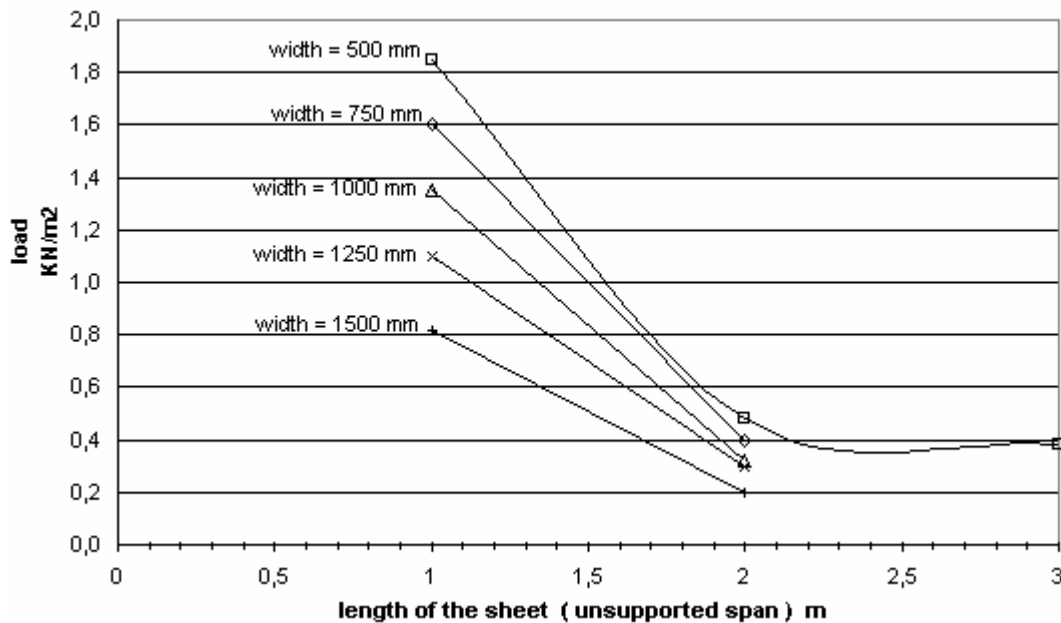
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**Makrolon<sup>®</sup> solid sheets**  
**Flat glazing**

**load bearing characteristics of 3 mm thk. Makrolon UV solid sheets**



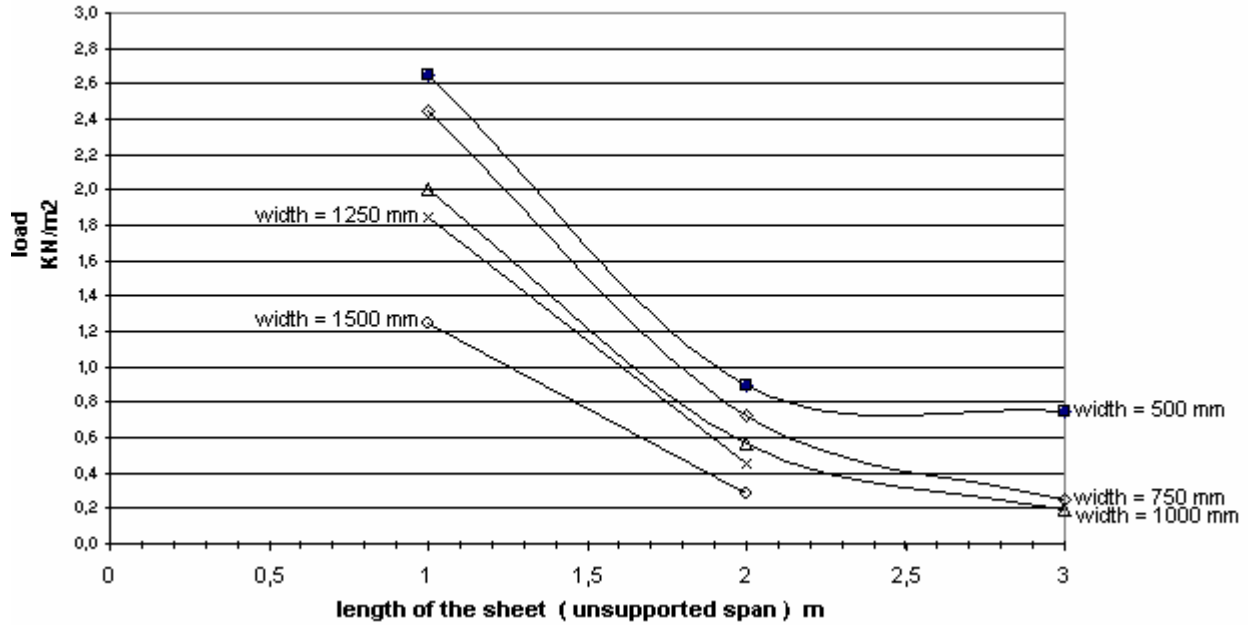
**load bearing characteristics of 4 mm thk. Makrolon UV solid sheets**



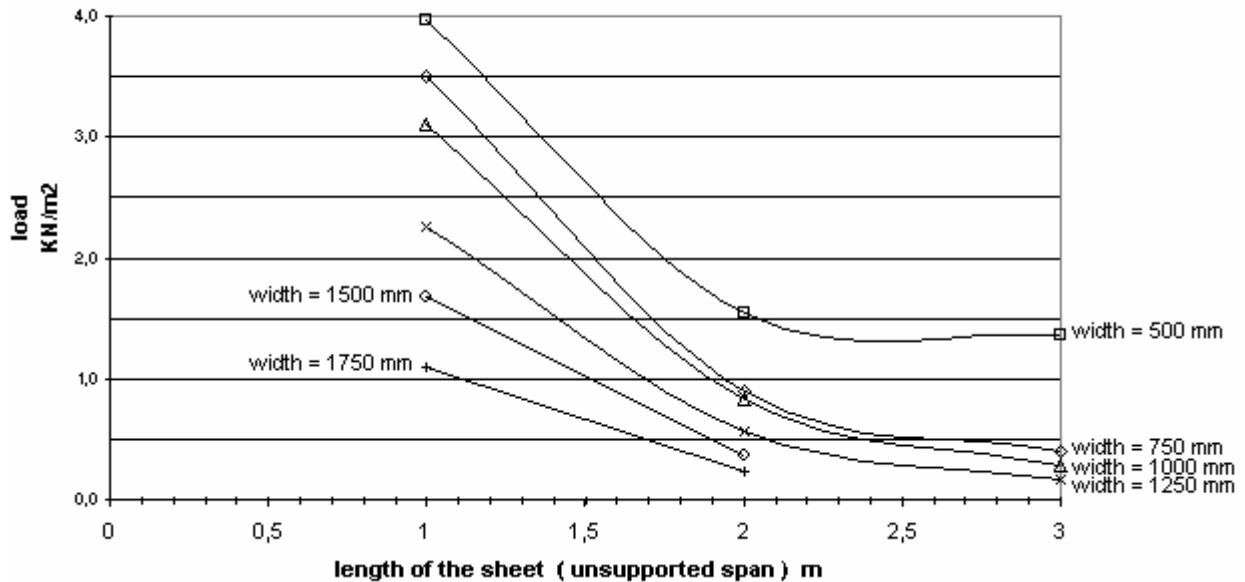
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**load bearing characteristics of 5 mm thk. Makrolon UV solid sheets**



**load bearing characteristics of 6 mm thk. Makrolon UV solid sheets**



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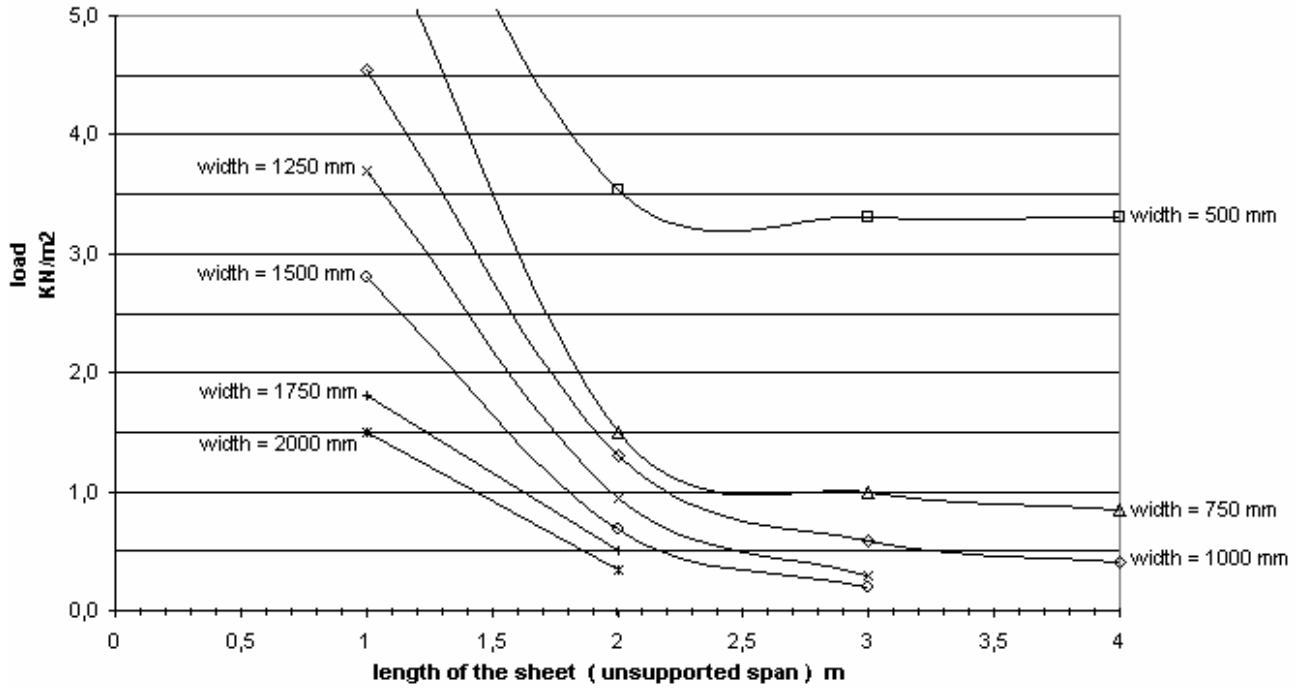


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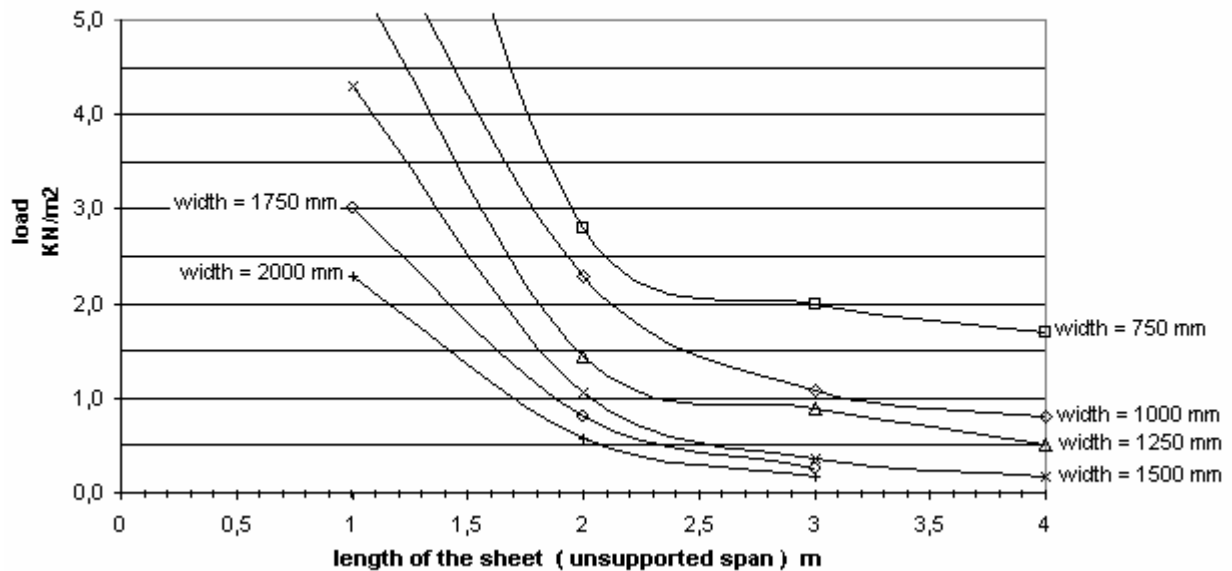
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**load bearing characteristics of 8 mm thk. Makrolon UV solid sheets**



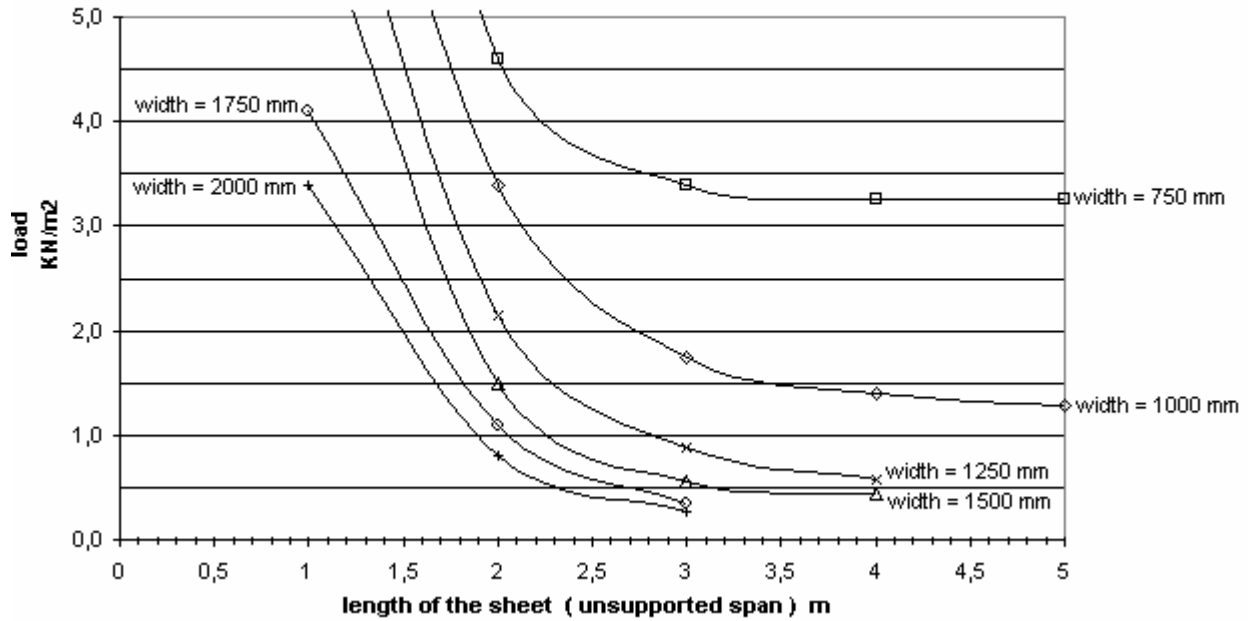
**load bearing characteristics of 10 mm thk. Makrolon UV solid sheets**



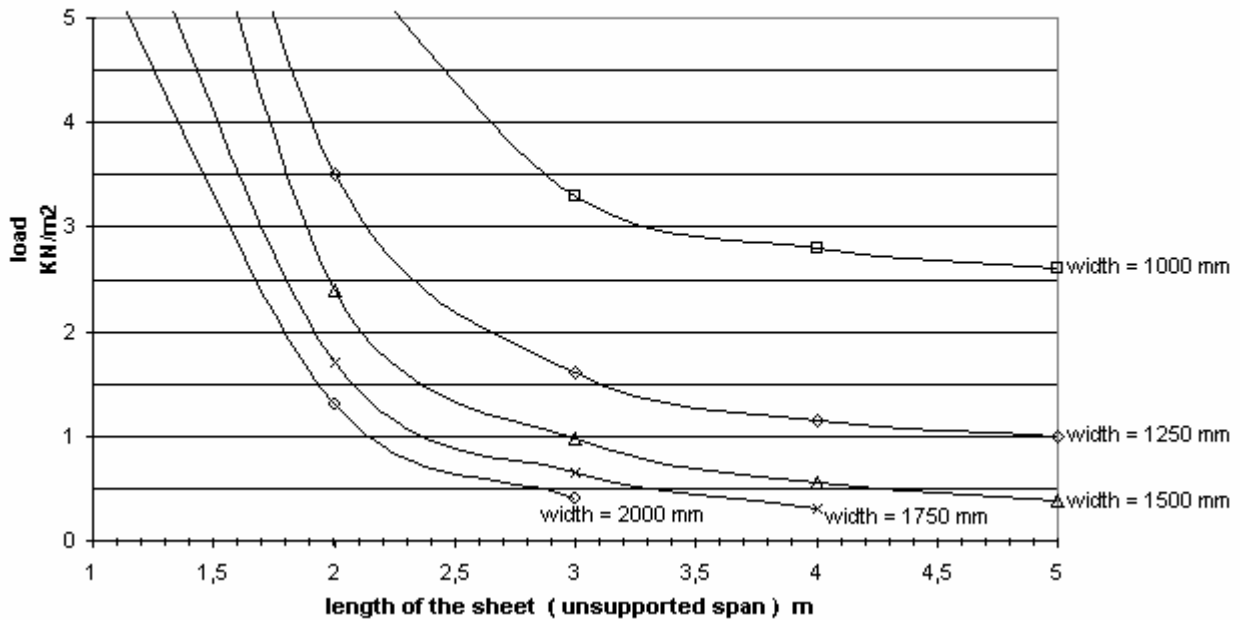
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load bearing characteristics of 12 mm thk. Makrolon UV solid sheets



load bearing characteristics of 15 mm thk. Makrolon UV solid sheets



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