

# HIGHLUX®

## Multi-Skin Sheets

*Intelligent Roofing*



**MÖNCH**  
Kunststoff-Technik GmbH

Ref. no. 2.1 March 2008

The sheet is completely protected against UV radiation by the "Naturally UV-Stable Technology."



HIGHLUX® stands for extruded multi-skin and corrugated sheets. They are manufactured from acrylic molding compound according to state-of-the-art methods, and combine the unsurpassed weather resistance of acrylic with excellent impact strength. That makes HIGHLUX® the ideal choice for structural glazing.



#### Natural protection against yellowing and loss of light transmission.

As well as providing us with light and warmth, the sun also emits UV radiation. An increasing proportion of harmful UV radiation is reaching the earth due to the hole in the ozone layer.

HIGHLUX® is made up of extremely strong, UV-stable molecules throughout the material. The special NATURALLY UV-STABLE technology stabilizes HIGHLUX® from the inside out and protects the entire sheet, not just its surface. That means maximum protection against UV radiation, yellowing and loss of light transmission.

### Unsurpassed brilliance and lasting good looks

HIGHLUX® shows excellent resistance to UV light. It does not become yellow or brittle even after many years of outdoor exposure.

HIGHLUX® multi-skin sheets are impact-resistant and therefore ensure problem-free installation and hail resistance. Their special configurations give them outstanding load-bearing capacity at low weight.

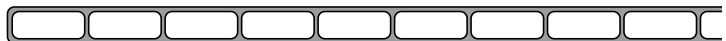
The air entrapped in the cavities makes for excellent heat insulation.

Owing to their large sizes, HIGHLUX® multi-skin sheets require much less outlay for supporting structures.

Their smooth surfaces enable dust and soiling to be washed off by the rain.

Special grades can also be used for sunscreening.

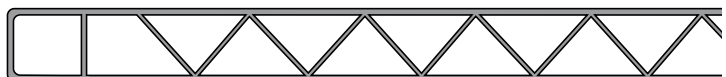
HIGHLUX® multi-skin sheets are available in the following standard configurations:



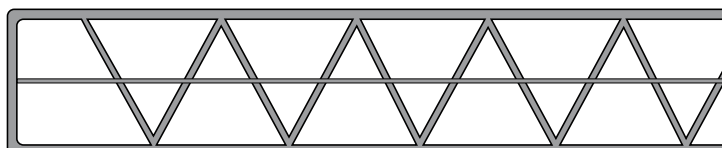
HIGHLUX® SDP 8



HIGHLUX® SDP 16



HIGHLUX® FWP 16



HIGHLUX® FWP 32



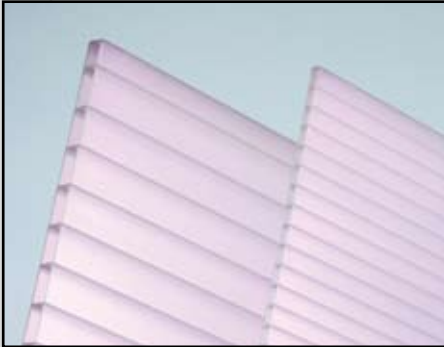
HIGHLUX® SDP 16 Vertica



## HIGHLUX® Multi-Skin Sheets

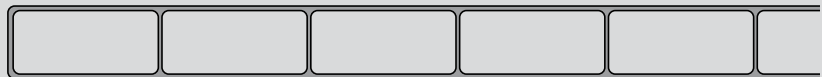
### Range

Here is an overview of our standard range.  
Special products are available on request.



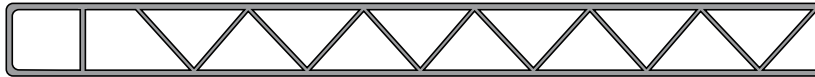
HIGHLUX® SDP 8

HIGHLUX® SDP 8/1200/16 Clear and SUNSTOP Opal	
Sheet thickness in mm	8
Web spacing in mm	16
Sheet width in mm	1200
Sheet length in m (other lengths on request)	4, 5, 6 and 7 m
U value (W/m <sup>2</sup> K)	3.4
Light transmission according to DIN 5036 Bl.3 (Clear) in %	84
Light transmission according to DIN 5036 Bl.3 (SUNSTOP Opal) in %	62
Support spacing at a load of 75 kg/m <sup>2</sup>	2500 mm



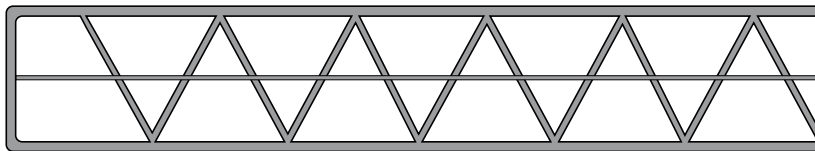
HIGHLUX® SDP 16

HIGHLUX® SDP 16/980/31, SDP 16/1200/31 Clear, White and SUNSTOP Opal	
Sheet thickness in mm	16
Web spacing in mm	32
Sheet width in mm	980 and 1200
Sheet length in m (other lengths on request)	4, 5, 6 and 7 m
U value (W/m <sup>2</sup> K)	2.8
Light transmission according to DIN 5036 Bl.3 (Clear) in %	84
Light transmission according to DIN 5036 Bl.3 (White) in %	76
Light transmission according to DIN 5036 Bl.3 (SUNSTOP Opal) in %	62
Support spacing (width 980 mm) at a load of 75 kg/m <sup>2</sup>	6000 mm
Support spacing (width 1200 mm) at a load of 75 kg/m <sup>2</sup>	4000 mm



HIGHLUX® FWP 16

HIGHLUX® FWP 16/1200 Clear and White	
Sheet thickness in mm	16
Sheet width in mm	1200
Sheet length in m (other lengths on request)	4, 5, 6 and 7 m
U value (W/m²K)	2.6
Light transmission according to DIN 5036 Bl.3 (Clear) in %	84
Light transmission according to DIN 5036 Bl.3 (White) in %	74
Support spacing at a load of 75 kg/m²	5000 mm



HIGHLUX® FWP 32

HIGHLUX® FWP 32/1200 White	
Sheet thickness in mm	32
Sheet width in mm	1200
Sheet length in m (other lengths on request)	4, 5, 6 and 7 m
U value (W/m²K)	1.7
Light transmission according to DIN 5036 Bl.3 (White) in %	60
Support spacing at a load of 75 kg/m²	unlimited



HIGHLUX® SDP 16 Vertica

HIGHLUX® Vertica SDP 16/980/96 and 16/1200/96 Clear	
Sheet thickness in mm	16
Web spacing in mm	96
Sheet width in mm	980 and 1200
Sheet length in m (other lengths on request)	4, 5, 6 and 7 m
U value (W/m²K)	2.7
Light transmission according to DIN 5036 Bl.3 (Clear) in %	87
Support spacing (width 980 mm) at a load of 75 kg/m²	3500 mm
Support spacing (width 1200 mm) at a load of 75 kg/m²	2500 mm





## Special Properties for Special Requirements

The unsurpassed weather resistance of HIGHLUX® is of great advantage for all outdoor uses.

White multi-skin sheets are a particularly elegant choice for designing unusual carports.

In domestic greenhouses, the important thing is for plants to receive as much light as possible.

Obviously, patio roofing must be hail-resistant, and should also offer protection against strong sunlight in summer by means of a special coating. Conservatories need to be snug and cozy when it's frosty outside. Their roofs therefore need to offer special heat insulation.

Whatever your requirements, you can be sure of finding the right solution in our range of HIGHLUX® multi-skin sheets.



HIGHLUX® multi-skin sheets are masked on both sides with recyclable PE film, which protects the surfaces against damage during transportation, storage and installation. However, the film must be removed immediately after the sheets have been installed.

The open ends of the sheets are sealed with adhesive tape. This must be removed prior to installation and replaced by appropriate end-closure sections.

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® = registered trademark

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