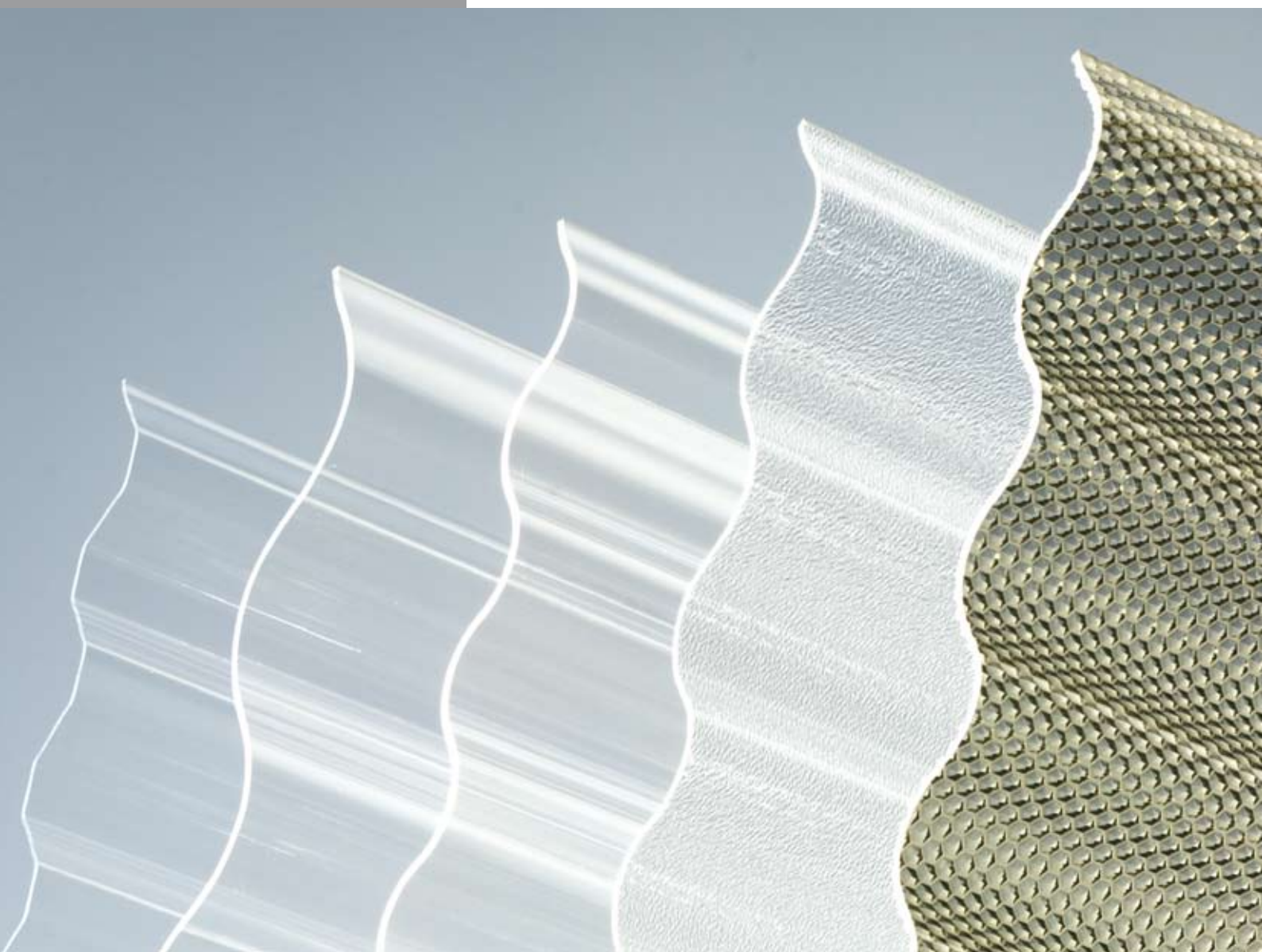


HIGHLUX®

Corrugated Sheets

Technical Information



MÖNCH
Kunststoff-Technik GmbH

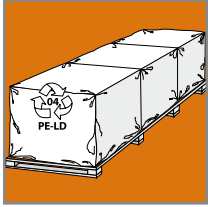
Ref. no. 3.2 March 2008

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



HIGHLUX® Corrugated Sheets

Guidelines for Installation



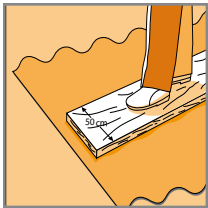
Storage:

If possible, store the material indoors. HIGHLUX® corrugated sheets are supplied with surface masking (PE film) and recyclable white polyethylene sheeting for protection against sunlight, UV light and moisture. If they are stored outdoors, the outer packaging must be left in place. Stack three pallets at most (with standard number of sheets per pallet).



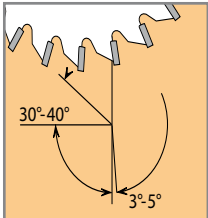
Fire rating:

HIGHLUX® corrugated sheets are classed as normally flammable (DIN 4102-B2). Protect them from open flame and excessive heat as for wood and other combustible materials. Use the corrugated sheets in accordance with the valid building regulations and manufacturer's instructions.



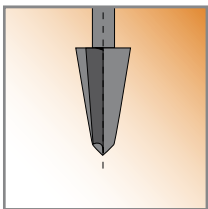
Access:

The sheets may only be walked over using crawling boards of at least 50 cm width (see for example the German workplace regulations Arbeitsstättenrichtlinien 8/5 and employers' liability insurance regulations VBG 37 n.ZH 1/489).



Cutting to size:

HIGHLUX® corrugated sheets can be cut using high-speed circular saws with carbide-tipped sawblades. Avoid erosion of the cut edge.



Drilling:

Use conical drills to drill the holes for fastening the sheets. Make sure the drilled edges are smooth. Chipped edges may lead to stress cracking in the course of time.

Supporting structure:

Glazing with HIGHLUX® corrugated sheets calls for rigid supporting structures that can safely bear snow loads and wind pressure. The coating applied to the supporting structure must be allowed to dry thoroughly before the sheets are installed.

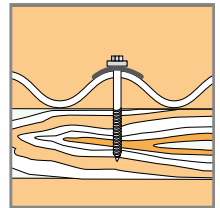
Corner cutting:

To avoid a four-fold overlap at the points where the sheets overlap horizontally and laterally, cut off the corners of the two center sheets. The cut edges should be at least 10 mm apart.



Screw fastening:

The sheets are fastened to the supporting structure by means of special screws with caps or j-bolts with calottes. These seal the drill holes against water penetration from the outside and ensure that the forces exerted on the sheet by snow loads or wind pressure are correctly distributed. There must be a space between the screw and the drill hole. Allowance must be made for fluctuations in length caused by temperature and moisture variations.



Sealing materials:

The materials used for sealing the sheets, e.g. in low-pitched roofs, must be compatible with HIGHLUX®.

Cleaning:

Clear water or a solution of mild dishwashing liquid are suitable for cleaning the sheet surfaces. To avoid scratches, do not use scouring agents.

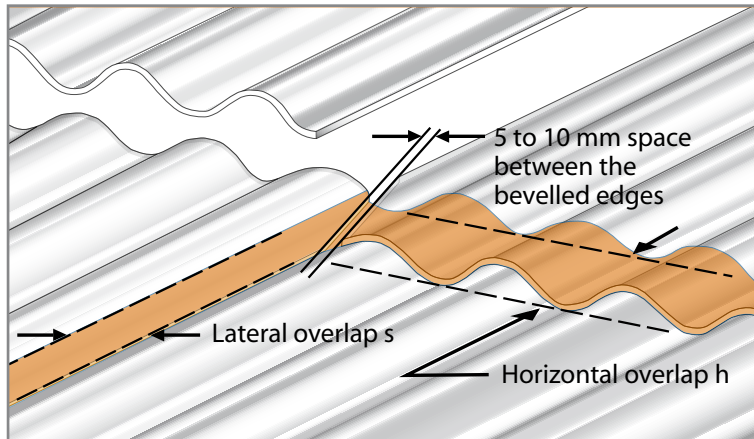


Installation Guidelines

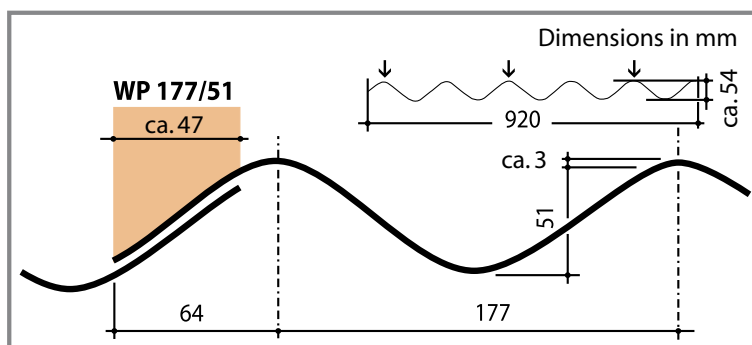
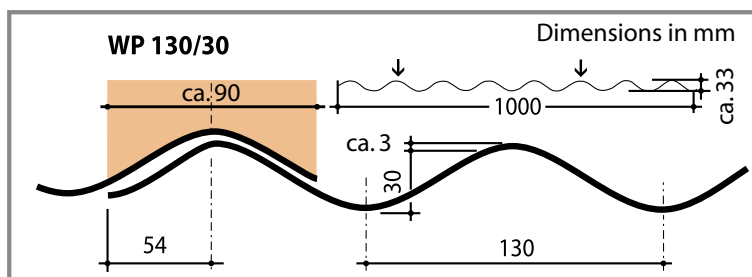
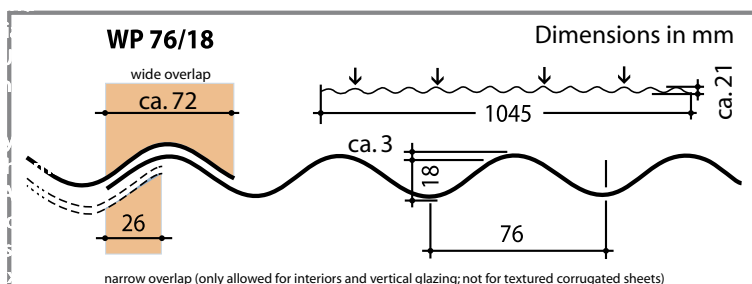
The installed length of each individual sheet must not exceed 4000 mm. If greater lengths are required, two or more sheets must be installed so as to overlap horizontally. The overlap in the direction of water flow depends on the roof pitch:

Roof pitch of 9 to 17° = 200 mm

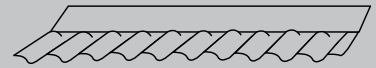
Roof pitch of more than 17° = 150 mm



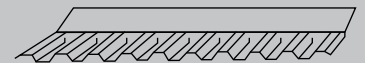
Cross-sections of HIGHLUX® corrugated sheet profiles (□ = fastening point)



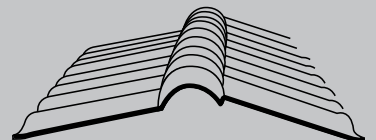
HIGHLUX® formed parts provide neat and correct covering of the ridge and wall connections on roofs made with SWP and TWP 76/18.



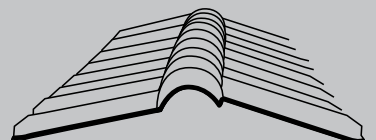
Formed part SWP 76/18
Wall flashing



Formed part TWP 76/18
Wall flashing



Formed part SWP 76/18, ridge cover
Set of 2



Formed part SWP 76/18, ridge cover
Set of 2



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.

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, also with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer.

Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

® = registered trademark

HIGHLUX
is a registered trademark of
Mönch Kunststoff-Technik GmbH.