

More Living Space

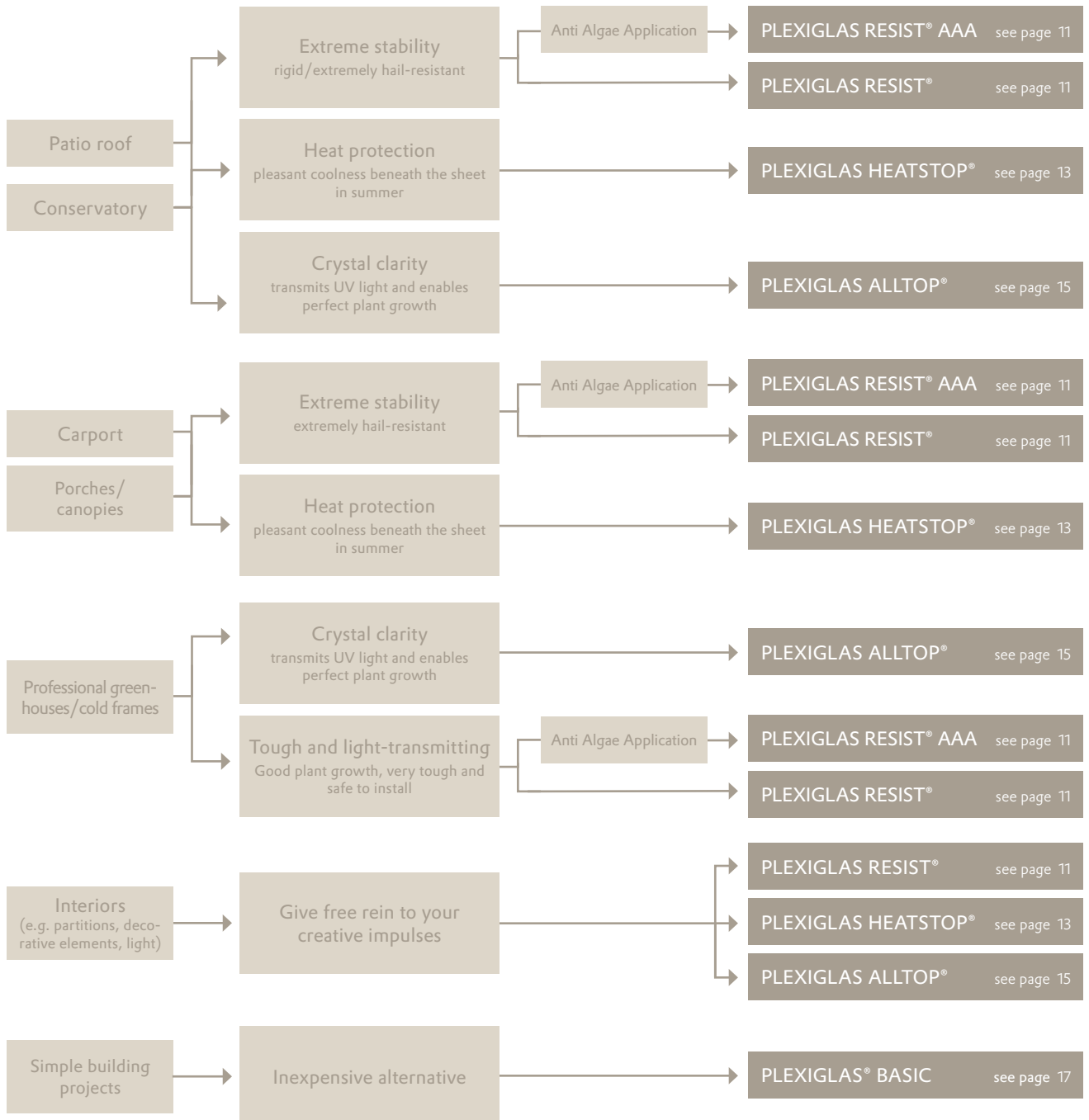
Modern roofing technology with PLEXIGLAS®
for new buildings and renovation projects



Product Finder

We know everything there is to know about PLEXIGLAS® - after all, we did invent it!

Use this brochure to select the suitable grade of PLEXIGLAS® for your application. The Anti Algae Application (AAA), heat protection, maximum stability, crystal clarity or special hail resistance of these grades offer you additional comfort and safety.
















Application

Comparative Overview of PLEXIGLAS® Properties

Properties	Anti Algae Application	UV resistance, durability	Heat insulation	Heat protection	Hail resistance	Pleasant rainfall sound due to thick material	Transparency	Protection from UV radiation
PLEXIGLAS RESIST®	•••*	•••	•••**		•••	•••	••	•••
PLEXIGLAS HEATSTOP®		•••	•••**	•••	••	•••		•••
PLEXIGLAS ALLTOP®		•••	••		•	•••	•••	
PLEXIGLAS® BASIC		•••	••		•	••	••	•••

*for 16mm thick version **for 32mm thick version ••• highly suitable •• well suited • suitable

Comparison of PLEXIGLAS® applications

		Patio roof	Carport	Conservatory	Professional greenhouse/ cold frame	Porches/ canopies	Interiors
PLEXIGLAS RESIST® 8 mm		•	•		•	••	•••
PLEXIGLAS RESIST® AAA 16 mm		•••	•••	•••	•••	•••	•
PLEXIGLAS RESIST® 32 mm		••	•	•••	•		
PLEXIGLAS RESIST® 76/18		•••	•••		•	•••	•••
PLEXIGLAS RESIST® 130/30		•••	•••			•	•
PLEXIGLAS RESIST® 177/51		••	•••				•
PLEXIGLAS HEATSTOP® 8 mm		•	•			••	•••
PLEXIGLAS HEATSTOP® 16 mm		•••	•••			•	•••
PLEXIGLAS HEATSTOP® 32 mm		•••	•	•			•
PLEXIGLAS HEATSTOP® 76/18		•••	•••			•••	•••
PLEXIGLAS ALLTOP®		••	•	•••	•••		••
PLEXIGLAS® BASIC		•	••	•	••	•	•
PLEXIGLAS® BASIC		•	••			••	•

••• highly suitable •• well suited • suitable

Patio Roofs and Conservatories

Sit outside even when it rains. Pick citrus fruits and fresh herbs all year round. Increase your living space yet cut your heating costs.



The Outstanding Properties of PLEXIGLAS®

Less cleaning effort thanks to AAA

One of the main reasons for dirty roofs is the growth of algae, moss etc. But many roofs are hard to clean because they are difficult to reach. Our new generation of PLEXIGLAS RESIST® SDP 16 multi-skin sheets has therefore been equipped with an Anti Algae Application (PLEXIGLAS RESIST® AAA) based on nanotechnology. This coating makes use of the sun's natural UV radiation to prevent algae, mosses, pollen and other soiling agents from adhering to the sheet or causes them to dissolve completely. Any residues are almost completely washed off by the next rainfall.

Lightweight and stable

Roofs made of PLEXIGLAS® are easier to access than heavy glass and let in more light. The reason is simple: the supporting structure can be much more delicate, while providing the same level of stability. That saves time and money during installation.

Seven meters all in one piece

PLEXIGLAS® helps to create spacious living areas. All multi-skin and corrugated sheets are available in lengths up to seven meters and more.

Quiet in the rain

PLEXIGLAS® is quiet! The thickness of the multi-skin and corrugated sheets provides good sound insulation and significantly reduces rain noise.





Carports and Canopies

No need to scratch away ice in the winter, no dents due to hailstones, no water in the cellar. Open your door without getting wet.

Affordable Luxury



Durability through incorporated UV protection

As covers on building structures, roofs are exposed to all winds and weathers, so durability and longevity are important purchasing criteria. PLEXIGLAS® multi-skin and corrugated sheets offer decades of protection from the results of UV radiation, yellowing and light loss because they consist of naturally UV-stable molecules through and through. This means the entire sheet is protected, not just the surface.

Safety and protection against UV radiation

No more risk of getting sunburned – selected PLEXIGLAS® multi-skin and corrugated sheets hold off UV radiation. This is confirmed by the Hohensteiner Institute in line with the stringent requirements of Australian standard AS/NZS 4399:1996.

PLEXIGLAS®, whether as a multi-skin, corrugated or solid sheet, offers the highest ultraviolet protection factor (UPF) of any roofing material, UPF 50+. By way of comparison, the UV protection of a PLEXIGLAS® roof is similar to that of a roof made of wood or tiles.



Many colors and surfaces

PLEXIGLAS® multi-skin and corrugated sheets are available in three surface variants and six colors. As well as the clear-transparent variety, classical White and Brown, the sheets are also offered in the trend colors "Cool Blue," "Grey" and "Opal."





Home and Garden

Let in light but protect your privacy. Enjoy simple machining and installation with conventional tools.

Creative and Contemporary

Easy to machine

PLEXIGLAS® is just as easy to machine as wood. Partitions, balcony guards or door infill panels can be made to suit individual wishes.



30-year guarantee against yellowing

With PLEXIGLAS® you are always on the safe side. We give a 30-year guarantee that clear-transparent PLEXIGLAS® will not yellow and will retain its high light transmission.

Lightweight but strong

Even the heaviest sheet from our range of roofing materials weighs less than six kilograms per square meter. That saves energy during installation and reduces the number of helpers required.

No dripping

With a PLEXIGLAS® roof, you can even look forward to the rain, because many multi-skin sheets are provided with a NO DROP coating. Water flows off in an invisible film and there are no unsightly drops.

PLEXIGLAS® can take rough treatment

Owing to their increased impact strength, PLEXIGLAS® multi-skin and corrugated sheets can withstand rough treatment during installation and machining. Even hailstones cannot harm them.



PLEXIGLAS RESIST®

The Allrounder



Possible applications

- Conservatories
- Patio roofs
- Canopies
- Carports
- Professional greenhouses
- Interiors

Strong Protection against the Forces of Nature

PLEXIGLAS RESIST® has nothing to fear from hail, ice and snow. The sheets are so tough that a heavy steel ball dropped on them from a height of one meter simply bounces off.





World novelty: Anti Algae Application

The Anti Algae Application produced for the first time for plastics roofing is the answer to dirty roofs that take a lot of effort to clean. Unsightly greenish-brown algae deposits are decomposed by an ecologically harmless reaction process on the sheet surface and washed off by the rain.

Energy savings

The 32mm thick multi-skin sheet from this range has a U-value of 1.6 W/m²K. That means it meets the stringent requirements of the German Energy Conservation Regulation (EnEV) and keeps conservatories cozily warm even at sub-zero temperatures.

Product Overview PLEXIGLAS RESIST®

	8 mm thickness	16 mm thickness + AAA	32 mm thickness	76 mm 18 mm	130 mm 30 mm	177 mm 51 mm
Clear		 	 	 	 	
White						
Brown				 		
Grey				 		



Smooth untextured surface



Surface with C-texture



Surface with honeycomb texture

Order information

- | | | |
|--|--|---|
| 1) PLEXIGLAS RESIST® SDP 8 Clear 00721 | 8) PLEXIGLAS RESIST® S4P 32 White WA012 | 15) PLEXIGLAS RESIST® WP 76/18 Grey 7RW01 G |
| 2) PLEXIGLAS RESIST® AAA SDP 16 Clear ORS22 | 9) PLEXIGLAS RESIST® S4P 32 Grey 7RS22 | 16) PLEXIGLAS RESIST® WP 76/18 Grey 7RW01 C |
| 3) PLEXIGLAS RESIST® AAA SDP16 Clear ORS22 C | 10) PLEXIGLAS RESIST® WP 76/18 Clear 0A001 G | 17) PLEXIGLAS RESIST® WP 76/18 Grey 7RW01 W |
| 4) PLEXIGLAS RESIST® AAA SDP 16 White WRS22 | 11) PLEXIGLAS RESIST® WP 76/18 Clear 0A001 C | 18) PLEXIGLAS RESIST® WP 130/30 Clear 0A001 G |
| 5) PLEXIGLAS RESIST® AAA SDP 16 Grey 7RS22 | 12) PLEXIGLAS RESIST® WP 76/18 Clear 0A001 W | 19) PLEXIGLAS RESIST® WP 130/30 Clear 0A001 W |
| 6) PLEXIGLAS RESIST® S4P 32 Clear 00721 | 13) PLEXIGLAS RESIST® WP 76/18 Brown 8A003 C | 20) PLEXIGLAS RESIST® WP 177/51 Clear 0A001 G |
| 7) PLEXIGLAS RESIST® S4P 32 Clear 00721 C | 14) PLEXIGLAS RESIST® WP 76/18 Brown 8A001 W | 21) PLEXIGLAS RESIST® WP 177/51 Clear 0A001 W |

PLEXIGLAS HEATSTOP®

For Pleasant Temperatures



Possible applications

- Conservatories
- Patio roofs
- Interiors
- Carports
- Canopies
- Porches

Keeping the Heat Outside

A PLEXIGLAS HEATSTOP® roof reduces heat buildup by as much as 75% compared with conventional clear -transparent double glazing. Cars under the carport stay much cooler and the air below patio roofs is still pleasantly mild even in hot sunshine.

Choice of two variants

PLEXIGLAS HEATSTOP® multi-skin and corrugated sheets are available in grades Cool Blue and Opal. They offer ideal light diffusion and provide uniform brightness.














Insulating experts

Our 32mm multi-skin sheets offer high heat insulation and are therefore the materials of choice for conservatory manufacturers.

Variety of colors

The HEATSTOP coating gives the sheets an attractive surface sheen. Depending on the viewing angle, the sheets have a pleasant blue or iridescent appearance. This play of colors enables interesting lighting and design effects.

Product Overview PLEXIGLAS HEATSTOP®

					
		8 mm thickness	16 mm thickness	32 mm thickness	76/18
Cool Blue					
Opal					

 Smooth untextured surface

Order information

- | | |
|---|---|
| 1) PLEXIGLAS HEATSTOP® SDP 8 Opal WR004 | 5) PLEXIGLAS HEATSTOP® S4P 32 Opal WA013 |
| 2) PLEXIGLAS HEATSTOP® SDP 16 Cool Blue WZ007 | 6) PLEXIGLAS HEATSTOP® WP 76/18 Cool Blue WZ006 |
| 3) PLEXIGLAS HEATSTOP® SDP 16 Opal WR004 | 7) PLEXIGLAS HEATSTOP® WP 76/18 Opal WZ002 |
| 4) PLEXIGLAS HEATSTOP® S4P 32 Cool Blue WZ008 | |

PLEXIGLAS ALLTOP®

Clear View at all Times



Possible applications

- Conservatories
- Patio roofs
- Professional greenhouses
- Interiors

The Professional for Commercial Greenhouses

What is vital to commercial gardeners is every bit as important for private plant lovers. PLEXIGLAS ALLTOP® multi-skin sheets transmit the entire spectrum of UV radiation. That provides colorful plants with vigorous growth. Like all transparent sheets, this comes with a 30-year guarantee.

Clear view and loadbearing capacities

PLEXIGLAS ALLTOP® shows unparalleled light transmission. Its thickness makes it very stable, torsion-resistant and capable of withstanding snow loads.

No water marks

All surfaces of this multi-skin sheet (inside and out) are equipped with the NO DROP coating. Rain and condensation flow off as an invisible film and leave no marks after drying.

Clear view from both sides

With its wide web spacing of 64mm, PLEXIGLAS ALLTOP® offers excellent clarity, almost like glass.

Product Overview PLEXIGLAS ALLTOP®

		8 mm thickness	16 mm thickness	32 mm thickness
Clear			 ⁽¹⁾	



Smooth untextured surface

Order information

1) PLEXIGLAS ALLTOP® SDP 16 Clear 29080

PLEXIGLAS® BASIC

The Inexpensive Alternative



Possible applications

- Conservatories
- Patio roofs
- Porches
- Carports
- Professional greenhouses
- Canopies
- Interiors

A Multitude of Talents

As everyone knows, you don't need a specialist for everything. The same applies to PLEXIGLAS® BASIC multi-skin and corrugated sheets. Their delicate configuration saves material and makes them ideal for small roofs, for instance, that do not have to meet such stringent requirements in terms of snow and wind loads.

Same good genes as the specialists

PLEXIGLAS® BASIC sheets share many of the good properties of the special PLEXIGLAS® grades.

















These inexpensive sheets are also made up of the same naturally UV-stable molecules as the other sheets in the range. The entire sheet is therefore protected from yellowing and weathering, not just the surface.

PLEXIGLAS® BASIC is of medium thickness and reduces rain noise. It is stable, torsion-resistant and capable of withstanding snow loads.

Transparent and tough

All PLEXIGLAS® BASIC sheets are impact-resistant and can take a knock or two. Their light transmission is only slightly below that of the professional-grade sheets.

Product Overview PLEXIGLAS® BASIC

					
	8 mm thickness	16 mm thickness	32 mm thickness	76/18	76/18
Clear				 	 
White					
Brown				 	 



Smooth untextured surface



Surface with C-texture

Order information





















- | | |
|--|---|
| 1) PLEXIGLAS® BASIC S3P 16 Clear 0R004 | 6) PLEXIGLAS® BASIC WP 76/18 Brown 8R002 C |
| 2) PLEXIGLAS® BASIC S3P 16 White WR011 | 7) PLEXIGLAS® BASIC TP 76/18 Clear 0R005 G |
| 3) PLEXIGLAS® BASIC WP 76/18 Clear 0R005 C | 8) PLEXIGLAS® BASIC TP 76/18 Brown 8R002 C |
| 4) PLEXIGLAS® BASIC WP 76/18 Clear 0R005 C | 9) PLEXIGLAS® BASIC TP 76/18 Brown 8R002 G |
| 5) PLEXIGLAS® BASIC WP 76/18 Brown 8R002 G | 10) PLEXIGLAS® BASIC WP 76/18 Brown 8R002 C |

PLEXIGLAS® Equals Variety

Many options for any given roof, with a choice of three surfaces, six colors, multi-skin and corrugated sheets in three thicknesses.



Colors and textures

	 Smooth untextured surface	 Surface with C-texture	 Surface with honeycomb texture
Clear	 	 	
White			
Brown			
Grey	 		
Cool Blue	 		
Opal	 		

* = registered trademark

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Ref. No. 431-3 January 2010

XX/0110/09783 (en)



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