












Notes/guidelines for edge processing and glass specifications/compatibility

General

All glasses must be thoroughly cleaned and checked for scratches before being sent for coating!

Notes/guidelines for edge processing

Edge processing	
Size correction: At your own discretion	
	
Safety bevel: Min. 0.3mm and max. 50°	
	
	
Edge thickness: Min. 1mm	
	
No manual processing	
	
Edge and safety bevel not polished	
	

Size correction

Please note that a coating with an average thickness of 0.05 mm is applied to the edge of the glass. In total, the glass will therefore be 0.1 mm "larger" after coating. Depending on the contour of the glass and the position of the facets, it may be necessary to correct the size during edge processing. The coating itself ensures improved sliding properties during glazing. To start with, we recommend a size correction of **-0.1 mm** until you have gained your own experience with shape-line.

Safety bevel

Edge breaks, if present, must be at least 0.3 mm in size, as the paint requires a sufficiently large area to adhere. The edge break must not be polished (see paragraph "polish"). An edge break at the back is necessary for glazing coated glass. The edge break must not exceed an angle of 50° to the edge of the glass. The edge break may only be produced fully automatically by the automatic grinding machine.

Edge thickness

The edge thickness must be at least 1.0 mm, as the paint needs a sufficiently large surface to adhere well.

Manual processing














The continuity of the glass edge and its geometry are important for the coating process. Hand-finished glass cannot be coated (e.g. subsequently ground off bevel).

Polish

A good adhesion of the paint is favored by a rough substrate. Therefore, **no surface segment of the glass edge can be polished.**

Glass specifications/compatibility

We are constantly working on expanding the application possibilities of shape-line. The following table provides an overview of the lens materials and coatings of the optically effective surfaces with which shape-line is currently compatible or incompatible:

Glass specifications		
Bevel shape: V-Bevel		
		
Corner radii: Min. 3mm		
		
Glass: Plastic, untinted, 1.5, 1.6, 1.67, 1.74		
		
Coating: With AR and without phototropy		
		
Correction range: -12dpt to +12dpt *		
		

Bevel shape

We currently only offer coatings for lenses **with V-bevel**. Nylon and rimless lenses are exposed to other stresses and are currently still under development.

Corner radii

Glass with small corner radii can only be coated if the corner radius is at least 3.0 mm or larger.

Glass material

The lenses must be plastic lenses with a refractive index of 1.5, 1.6, 1.67 or 1.74. Trivex, polycarbonate and mineral glass cannot be coated, as these materials have significantly different chemical properties. Sunglasses lenses cannot be coated either, but UV Cut / Bluecut is not a problem.

Coatings

To achieve a clean coating result, lenses **must have an anti-reflective coating**.

Photochromic coatings can be damaged by the coating process. Photochromic lenses can therefore not be provided with shape-line.

Correction range

Our standard correction ranges are between -12dpt and 12dpt. Greater strengths are also possible in principle, please contact us, we will be happy to advise you.