

SWISSPEARL®

PREMIUM

SWISS QUALITY

FAÇADE SYSTEMS

FOR HIGH-END

ARCHITECTURE

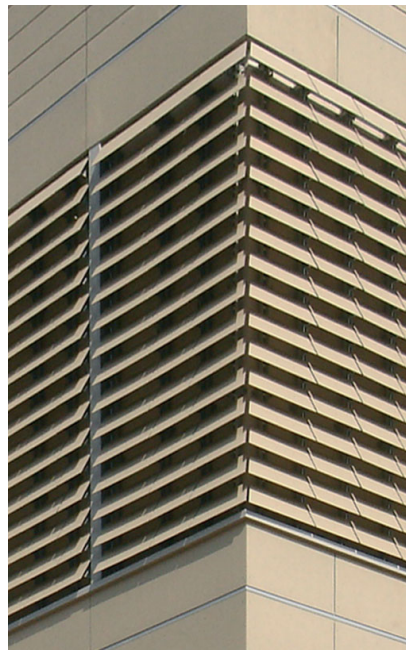
Creativity

Panel coated on both sides

Any panel may be finished on both sides, either in the same or a different colour, with the same or a different type of coating.



Typical applications are panels for balconies (minimum thickness: 12 mm, 15/32"), perforated partition walls partly visible from both sides, windbreaker panels, sliding shutters, louvers, etc. Additional customised treatment such as perforations, etc. are, of course, also possible.



Creativity

Perforations

These different appealing solutions are SWISSPEARL specialities based on the integrally coloured panel platform and Swiss expertise.

They offer huge exclusive additional designing possibilities and are thus fantastic options for giving a unique, special touch to every high profile building.

Holes, slots and other shaped perforations allow very unusual effects. Perforated panels may have a function (lighting, sliding shutters, wind-screens, separation, sound absorption, etc.) or be purely decorative. Perforations are normally chamfered, which provides a high quality finishing aspect.

Creativity solutions are provided with an outstanding finishing quality. They may be used individually or in combination together with plain SWISSPEARL panels in the same or different shades or with other materials.



Limitations in design possibilities

Required thickness of panels (8 or 12 mm) depends on static, function, number, size and repartition of the perforations.

Static of each intended perforation design is to be checked, depending on type, size, repartition and position of wished perforations.

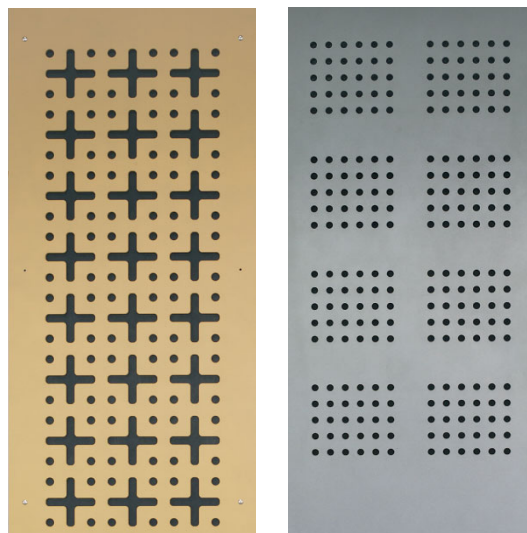
As guidelines:
Surface of perforations

- maximum 20 %

The space between holes should correspond to 2 x the size of the perforation

Approximately 50 mm border without perforations. Also allow for non perforated surfaces at position of the fasteners

Scaled drawings of intended patterns to be submitted as DWG or DXF-files for approval.

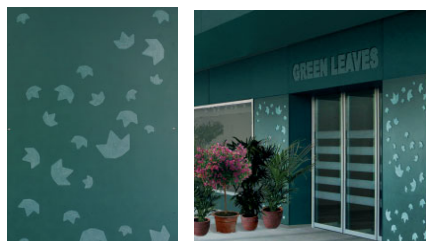


3-D ornaments

Geometric designs, custom patterns at random, company logo, etc. – the creative possibilities are unlimited. Ornaments may be within a panel, change from one panel to the other or run over several panels to create a bigger pattern or be combined with plain panels.

Also, colour possibilities are huge depending on the colour of surface finishing and core: same shade, slight or big difference in shades, elegant contrasts, etc. that can even be increased with custom colours.

All ornaments are chamfered to approx. 45° with high fabricating quality and fully surface finished with a transparent or tinted coating. Depending on the number of surface finishings, shades may be slightly different from plain panels within same colour reference.



Limitations in design possibilities

Required thickness depends on static, number, size and repartition of the ornaments.

Static/feasibility of each intended pattern must be checked. As guidelines:

Depth of ornaments
- maximum 2 mm with thickness 8 mm
- maximum 4 mm with thickness 12 mm

Width of grooved lines, whatever shape and position 5 cm (minimum 3 mm).

No sharp angles, minimum radius 3 mm

Continuous straight lines need more sub-framing.

Space between 2 elements of the pattern should correspond to 2x size of the pattern.

Approximately 80 mm border without ornaments around fixing points.

Scaled drawings of intended patterns to be submitted as DWG or DXF-files for approval.

Available on request by end of 2007/early 2008.

Creativity

Inclined façades

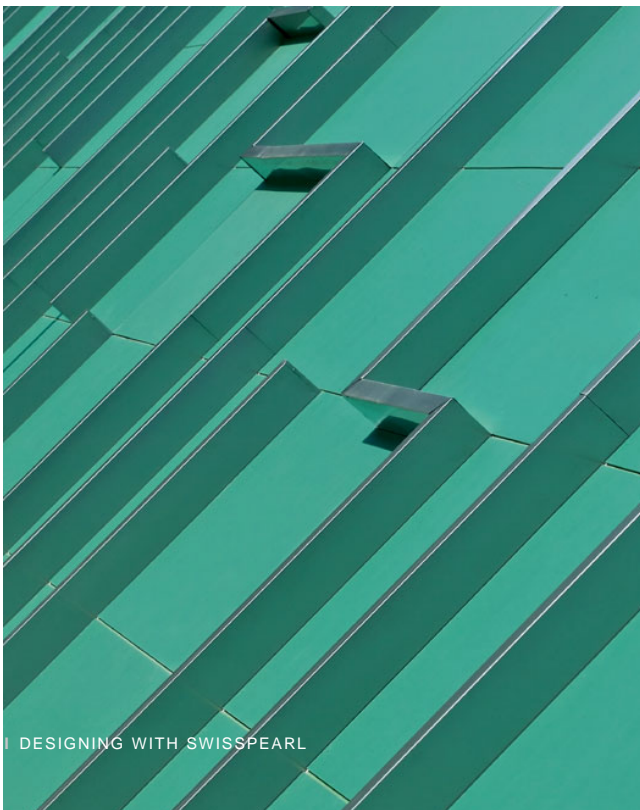
For roof shaped façades inclined more than 5° from the vertical, CARAT and XPRESSIV panels require a special surface treatment to cater for increased exposure to the climate. Such surface coating modifies the surface aspect, which deviates from a standard panel. Façades inclined inwards and REFLEX panels do not need such treatment.

Decorative elements

Visible, emphasized fasteners are an interesting way to give an additional dimension to the façade design.

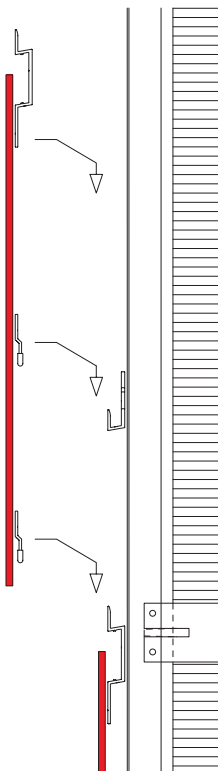
The subtle interplay of texture and shade of the panels, of colour and geometry of the exposed fasteners and the resulting shadows opens up appealing design possibilities for contemporary expression.

Decorative fasteners are available in galvanized plain aluminium and partly in stainless steel for screws and rivets.



The façade system SIGMA 8 is designed for applications with the highest standards regarding sophisticated presentation.

The specially engineered system combines the large size SWISSPEARL panels in thickness of 8 mm (5/16") and a patented, secret fixing concept, which allows a wide scope for individual expression.



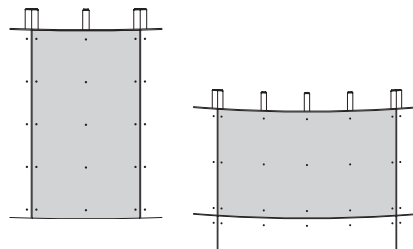
System SIGMA 8

The façade SWISSPEARL panels are available in all the aesthetically unique colour ranges CARAT, REFLEX and XPRESSIV, up to a maximum effective panel size of 3048 x 1220 mm/10'-0" x 4'-0" to suit any job-specific requirements. They are supplied ex factory accurately and cleanly cut to size, with predrilled backside holes, all executed under strict quality control. The system includes the special anchors and three ingeniously designed hanging elements to be installed on the job site. This clever and rational system can be used with any standard vertical supporting metal or wooden sub-frame (carried out by others).

Start of deliveries:
end 2007

Curved façades

SWISSPEARL panels are slightly flexible. Thus they can be bent on the building site during installation.



Approximate
minimal
bending radii

min. $r = 16$ m
panel bent lengthwise

min. $r = 20$ m
panel bent crosswise

Custom colours

Standard colours do not exactly meet your wishes? No problem!

SWISSPEARL has unmatched competence and know-how regarding special colours supplied in various textures.

In the past 10 years, more than 2000 customized shades were supplied according to architects' specifications.



Overview of the Panel Range

	mm	ft/inches	mm	ft/inches
Width	1220	48-1/32"	920 *	36-7/32"
Length	2500	98-7/16"	2500	98-7/16"
	3040	119-11/16"	3040	119-11/16"
Thickness	8		8	
	12 *			

Just contact the local authorized SWISSPEARL distributor to define surface aspect and target colour. Switzerland will very rapidly check the possibility of meeting this wish and – if positive – provide a real cement sample within short time for approval.

CARAT	REFLEX	XPRESSIV	CARAT	REFLEX	XPRESSIV
All shades	All colours	All shades	Shades	Colours	Light Grey
Black Opal		(available	Black Opal	except	
Sapphire		2008)	Sapphire	Champagne	
Coral , Topaz,			Coral , Topaz,	9290	
Azurite, Jade,			Azurite, Jade		
Onyx, Amber,					
Agate					

* Attention: longer lead times. Please check with local authorized distributor

Width 950 and 1250 mm are manufactured as different production batches so that the shade may deviate.

The two widths should therefore not be mixed on the same part of the façade.

SWISSPEARL®

Authorized Distributor

www.swisspearl-architecture.com

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