APPLICATION MANUAL

2020

SWAROVSKI

CONTENTS

7 GENERAL INFORMATION
8 APPLICATION MANUAL
8 APPLICATION ONLINE
9 APPLICATION SERVICES
12 SWAROVSKI PRODUCTS AND SUITABLE APPLICATION TECHNIQUES
14 GENERAL PRODUCT INFORMATION

23 SOLDERING, STONE SETTING, AND PLATING
24 PRODUCT OVERVIEW
24 MACHINES AND TOOLS
26 SUPPLIERS
27 APPLICATION
39 QUICK ASSISTANCE

43 GLUING
44 PRODUCT OVERVIEW
44 MACHINES AND TOOLS
48 SUPPLIERS
50 APPLICATION
78 USEFUL INFORMATION
82 QUICK ASSISTANCE

84 CERALUN
86 PRODUCT OVERVIEW
87 MACHINES AND TOOLS
89 SUPPLIERS
90 APPLICATION
98 USEFUL INFORMATION
99 QUICK ASSISTANCE

100 SELF-ADHESIVE ELEMENTS
102 PRODUCT OVERVIEW
104 MACHINES AND TOOLS
105 SUPPLIERS
106 APPLICATION
118 QUICK ASSISTANCE

120 HOTFIX APPLICATION
122 PRODUCT OVERVIEW
122 MACHINES AND TOOLS
124 SUPPLIERS
125 APPLICATION
138 USEFUL INFORMATION
143 QUICK ASSISTANCE
144 SWAROVSKI HOTFIX SELECTOR

154 SEWING, EMBROIDERY, AND HAND APPLICATION
156 PRODUCT OVERVIEW
157 MACHINES AND TOOLS
160 SUPPLIERS
161 APPLICATION
170 USEFUL INFORMATION
172 QUICK ASSISTANCE

174 MECHANICAL APPLICATION
176 PRODUCT OVERVIEW
176 MACHINES AND TOOLS
184 SUPPLIERS
189 APPLICATION
202 USEFUL INFORMATION
203 QUICK ASSISTANCE

204 CARE INSTRUCTIONS
206 TEXTILE CARE INSTRUCTIONS
209 GENERAL CARE INSTRUCTIONS
210 LAWS, REGULATIONS, NORMS, AND STANDARDS
210 WARNING NOTICES

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SWAROVSKI-PROFESSIONAL.COM

TO PREDICT THE FUTURE, WE INVENTED IT.

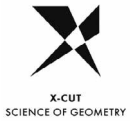
Stay ahead with our Advanced Crystal. It is lead-free* and helps you to reach full compliance with current laws and regulations.

*Crystal glass and all other materials containing 0.009 % lead or less.

SWAROVSKI

WHY SWAROVSKI

EXCELLENCE, THROUGH INNOVATION AND ORIGIN



X-Cut
Advanced optical measurement and high-precision manufacturing deliver premium cuts characterized by unmatched brilliance.

Platinum* Pro
With its new advanced foiling technique, Swarovski has set a new standard in the lifespan of crystals.

Hotfix Glue
The variable temperatures at which Hotfix glue can be activated enable the application of crystals on a broad range of textiles.

Crystals – Made in Austria
The combination of innovation with sustainability and respect for individual wellbeing means that quality is always assured.

PREMIUM, BY SERVICE AND DESIGN

Design Service
Throughout its global network of Design Centers, Swarovski offers exceptional service provided by the industry's best creative talent.

Application Service
A comprehensive range of application services means customers benefit from the extensive experience of leading international experts, as well as internal specialists.

Global Service
Swarovski's Global Service Network provides customers with dedicated personal assistance on a local level.

Designer Editions
Creative collaborations with top designers result in exclusive cuts and unique designs for Swarovski crystals.

Customized Service
Choose new variations by going beyond Swarovski's tremendous standard assortment of crystal components and forward integrated elements.

COMPLIANCE, WITH INTEGRITY

Advanced Crystal
Swarovski's patented lead-free** formula has changed the DNA of crystal while still offering the same sparkle, dependability, and variety for which Swarovski is famous.

OEKO-TEX
Oeko-Tex® Standard 100 Class II (direct contact with skin) certification creates confidence in chemical safety of textile applications.

Clear
Regular legal monitoring of chemical requirements and reasonable testing provide customers with the comfort of trust in Swarovski's products.

Compliance Service
Assessments regarding substance limitations as well as compliance information and advice to support customers in complying with relevant laws, regulations,and voluntary standards.

* Silver mirror coated with a platinum-colored protective layer.
** Crystal glass and all other materials containing 0.009% lead or less.

1

GENERAL INFORMATION

Swarovski offers a comprehensive range of services, tailored to customers' requirements, for the application of Swarovski products.

8 Application Manual
8 Application Online
9 Application Services
12 Swarovski Products and Suitable Application Techniques
14 General Product Information

APPLICATION MANUAL

This Application Manual offers extensive information on the various Application Services provided by Swarovski. Thanks to their outstanding quality, and with the help of specially developed application techniques, Swarovski products can be processed easily and quickly to produce a high-quality finished product. The processes involved are described in this manual on a step-by-step basis, with photos and illustrations.
Each application method contains detailed information on the following areas:

Product Overview	Swarovski products that are suitable for the application technique in question
Machines and Tools	List of machines and tools necessary for application
Suppliers	Selection of suppliers that sell these machines and tools
Application	Detailed description of the entire application process and the product-specific procedure. Furthermore, the Hotfix Selector outlines extensive application parameters for suitable product and carrier material combinations
Useful Information	Advice and tips on working with Swarovski products
Quick Assistance	A checklist of typical application problems, along with possible causes and recommendations on avoiding them

Extensive care instructions and further information on laws, regulations, norms, and standards are featured at the end of the manual.

APPLICATION ONLINE: SWAROVSKI-PROFESSIONAL.COM

All the information contained in this manual is regularly updated on the Swarovski business website SWAROVSKI-PROFESSIONAL.COM. In addition, application techniques are demonstrated through animations and videos. The site is an excellent way to find out about Swarovski's application services and application techniques.

CRYSTAL APPLICATION TECHNIQUES - NEW INSTRUCTION MOVIES

For many crystal application techniques and their most important process steps, Swarovski provides informative demonstration movies, where detailed instructions lead customers to a high quality application result.
This movies can be downloaded at SWAROVSKI-PROFESSIONAL.COM

APPLICATION SERVICES

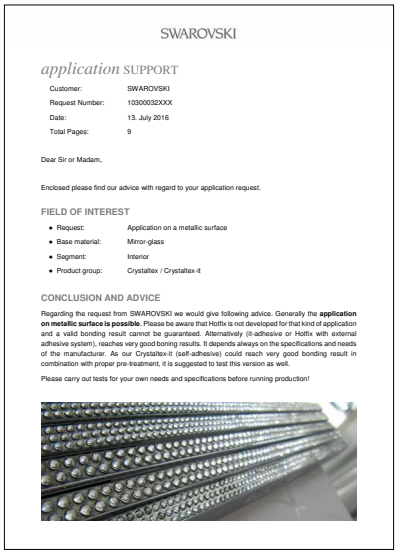
Swarovski offers a comprehensive range of services, tailored to your requirements, for applying Swarovski products. In doing so, the company aims to meet the needs of each industry, and to jointly offer flexible and integrated solutions.

- Technical enquiry service
- Compliance service
- Technical customer support – field services
- Application Partner Network

TECHNICAL ENQUIRY SERVICE

Available worldwide, the technical enquiry service can help you in the following areas:

- Product information
- Technical drawing
- Care instructions
- Information on industry standards
- Individual application tests based on customer samples
- Information on machines and tools



SWAROVSKI

application SUPPORT

Customer: SWAROVSKI
Request Number: 10300032XXX
Date: 13. July 2016
Total Pages: 9

Dear Sir or Madam,

Enclosed please find our advice with regard to your application request.

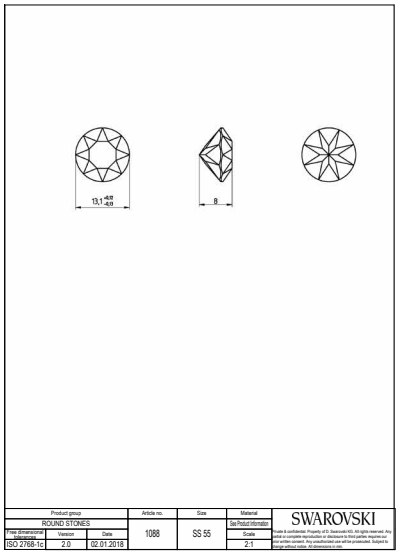
FIELD OF INTEREST

- Request: Application on a metallic surface
- Base material: Mirror-glass
- Segment: Interior
- Product group: Crystaltex / Crystaltex-it

CONCLUSION AND ADVICE

Regarding the request from SWAROVSKI we would give following advice. Generally the **application on metallic surface is possible**. Please be aware that Hotfix is not developed for that kind of application and a valid bonding result cannot be guaranteed. Alternatively (tt-adhesive or Hotfix with external adhesive system), reaches very good boning results. It depends always on the specifications and needs of the manufacturer. As our Crystaltex-it (self-adhesive) could reach very good bonding result in combination with proper pre-treatment, it is suggested to test this version as well.

Please carry out tests for your own needs and specifications before running production!



Product group			Article no.	Size	Material	SWAROVSKI
ROUND STONES			1088	SS 55	See Product Information	
Free dimensions unless otherwise stated	Version	Date			Scale	
ISO 2768-1c	2.0	02.01.2018			2:1	

COMPLIANCE SERVICE

The worldwide available compliance service can support you in the following areas:

- Certificates
- Information on laws and regulations
- Compliance information of Swarovski crystals
- Compliance statement to customer-specific requirements

ÖTI – INSTITUT FÜR ÖKOLOGIE, TECHNIK UND INNOVATION GMBH
SPENGERGASSE 20
1050 WIEN, AUSTRIA

OEKO-TEX®
CONFIDENCE IN TEXTILES

CERTIFICATE

The company

D. SWAROVSKI KG
Swarovskistraße 30
6112 Wattens
Austria

OEKO-TEX®
CONFIDENCE IN TEXTILES
STANDARD 100
38047 OETI

is granted authorisation according to STANDARD 100 by OEKO-TEX® to use the STANDARD 100 by OEKO-TEX® mark, based on our test report **VN201 137150.1**

for the following articles:

Swarovski Crystals

The results of the inspection made according to STANDARD 100 by OEKO-TEX®, Appendix 4, **product class II** have shown that the above mentioned goods meet the human-ecological requirements of the STANDARD 100 by OEKO-TEX® presently established in Appendix 4 for products with direct contact to skin.

The certified articles fulfil requirements of Annex XVII of REACH (incl. the use of azo colourants, nickel release, etc.) as well as the American requirement regarding total content of lead in children's articles (CPSIA; with the exception of accessories made from glass).

The holder of the certificate, who has issued a conformity declaration according to ISO 17050-1, is under an obligation to use the STANDARD 100 by OEKO-TEX® mark only in conjunction with products that conform with the sample initially tested. The conformity is verified by audits.

The certificate 38047 is valid until 28.02.2019

Wien, 31.01.2018

Robert Löcker
Managing Director

Helene Meinitzky
Manager Department of Ecology

OEKO-TEX® Association | Genferstrasse 25 | P.O. Box 2008 | CH-8027 Zurich

For further information, please contact your local Swarovski office.

TECHNICAL CUSTOMER SUPPORT – FIELD SERVICES

Swarovski imparts its crystal application expertise through customized **Crystal Application Workshops, Crystal Application Consultancy, Troubleshooting**, and **Technical Assessments**. These can take place either on customers' premises or at Swarovski locations. The focus is always on customers' individual needs, the efficient use of Swarovski products, and on the quality of the crystal application.

Our services have been created to take advantage of our comprehensive crystal application expertise in the following areas: mastery of the relevant techniques, technical knowledge of Swarovski products, process-engineering competencies, and our experience of crystal application equipment, together with our product manufacturing knowledge of various industries.

SERVICE RESULTS (dependent on the particular individual service package)**:**

Prevention of increased development costs through technical input in:

- The correct choice of Swarovski products
- The correct technical design
- The correct application technique
- The correct integration of an application process into the entire process landscape
- Application process set-up

Prevention of cost complaints through technical input in:

- The correct positioning and arrangement of Swarovski products
- Learning how to check the quality of crystal applications
- Suitability of the customer's equipment and tools

Prevention of increased staff development costs through:

- Staff training in appropriate application techniques
- Building your technical knowledge base, thereby enabling you to be self-sufficient

APPLICATION PARTNER NETWORK

As a company with a global sales network and deep understanding of the market, Swarovski has comprehensive knowledge of various application companies and their services from around the world.
Based on this knowledge, Swarovski has developed a global Application Partner Network. These partners offer a wide range of technical and product-related services, as well as tailored production solutions.
In order to qualify and to get access to the Application Partner Network, certain criteria with regard to application techniques, know-how as well as product assortment need to be fulfilled by the application partners.

Application partners can assist you with a variety of application techniques, such as gluing, Hotfix application, sewing, laser cutting of Synthetics, and mechanical application. In addition, many partners can carry out technically complex solutions, such as Flat Back Leather, jewelry manufacturing, and the automated, mechanical application of products such as Rivets. The services offered by our partners range from product and design consultancy, to prototyping and carrying out production, and make up a key component of our customer focus.

If you are interested in becoming a partner or you need to find a partner, please fill out the contact form on SWAROVSKI-PROFESSIONAL.COM or contact your local Swarovski office.

SWAROVSKI PRODUCTS AND SUITABLE APPLICATION TECHNIQUES

		Soldering	Stone Setting	Plating	Gluing with additional adhesive system	Gluing Self-adhesive Elements	Ceralun	Hotfix Application	Sewing	Embroidery	Hand Application	Mechanical Application
Round Stones			✔		✔		✔					
Fancy Stones & Settings	Fancy Stones		✔		✔		✔					
	Settings[1]	✔	✔	✔	✔				✔[2]		✔	
Beads									✔[2]		✔	
BeCharmed & Pavé	BeCharmed Beads, Pavé Balls & Pavé Cube								✔[2]		✔	
	BeCharmed Rondelles, Charms, Pavé Pendants & Cutie Cutes								✔[2]		✔	
	Cabochon Pavé				✔							
Crystal Pearls					✔		✔		✔[2]		✔	
Pendants					✔				✔[2]		✔	
Flat Backs No Hotfix			✔		✔		✔					
Flat Backs Hotfix	XILION Rose & XIRIUS Rose							✔				
	Framed Flat Backs							✔				
	Creation Stones							✔				
	Creation Stones Plus							✔				
	Cabochons & Framed Cabochons							✔				
Sew-on Articles	Sew-on Stones								✔		✔	
	Lochrose								✔	✔	✔	
Self-adhesive Elements	Crystal-it Infinity, Crystal Fabric-it, Crystaltex-it, Crystaltex Chaton-it, Crystal Rocks-it, Crystal Fine Rocks-it, Crystal Ultrafine Rocks-it, Crystal Fine Medley-it					✔						
	Crystal Fabric Coldfix, Crystal Fine Rocks Coldfix, Crystal Rocks Coldfix, Crystal Ultrafine Rocks Coldfix, Crystal Galuchat Coldfix, Crystal Medley Coldfix, Crystal Fine Medley Coldfix					✔						

1 Settings with hole: suitable for soldering, plating, sewing, hand application; Settings without hole: suitable for soldering and plating.
Closed Setting with ring on top (C-version): suitable for gluing.

2 These products should be sewn by hand.

		Soldering	Stone Setting	Plating	Gluing with additional adhesive system	Gluing Self-adhesive Elements	Ceralun	Hotfix Application	Sewing	Embroidery	Hand Application	Mechanical Application
Transfers	XILION Transfers & XIRIUS Transfers							✔				
	Creation Transfers							✔				
	Creation Transfers Plus							✔				
	Mezzo Transfers							✔				
	Cabochon Transfers							✔				
	Crystal Diamond Transfers							✔				
	Framed Flat Back Transfers & Framed Cabochon Transfers							✔				
Synthetics Hotfix	Crystal Fabric				✔			✔	✔[5]			
	Crystal Rocks, Crystal Fine Rocks & Crystal Ultrafine Rocks				✔			✔	✔[5]			
	Crystal Galuchat				✔			✔	✔[5]			
	Crystal Medley, Crystal Fine Medley				✔			✔	✔[5]			
	Graphic Fabric, Graphic Rocks, Graphic Fine Rocks, Graphic Ultrafine Rocks				✔			✔				
	Synthetics Foil Overlay				✔				✔			
	Crystaltex, Crystaltex Chaton				✔			✔	✔[1]			
Plastic Trimmings	Basic Bandings				✔				✔	✔[2]		
	Mini Rondelles										✔	
Crystal Buttons									✔		✔	
Metal Trimmings	Flat Back Bandings / Motifs				✔				✔			
	Rivets, Square Rivets, Star Rivet, Spike Rivets, Xirius Flat Back Rivets, Cabochon Rivets											✔
	Rose & Chaton Montées								✔[3]		✔	
	Rose Pins											✔
	3D Studs											✔
Crystal Mesh					✔			✔	✔[4]			
Cupchains & Findings		✔		✔					✔		✔	

1 Not suitable for Crystaltex Chaton

2 Art. 50 002, 50 003, and 50 004 (single-row)

3 These products should be sewn by hand.

4 Crystal Fine Mesh has a very tight structure and should therefore be sewn by hand.

5 Only for Foil Overlay

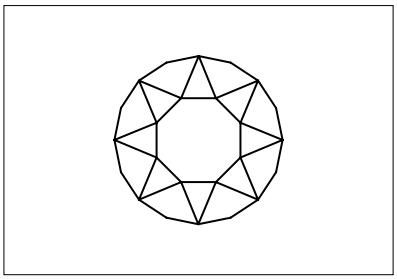
GENERAL PRODUCT INFORMATION

This list offers an overview of Swarovski products that are suitable for the application methods described. Product categories/descriptions are based on the 2018 Collection.

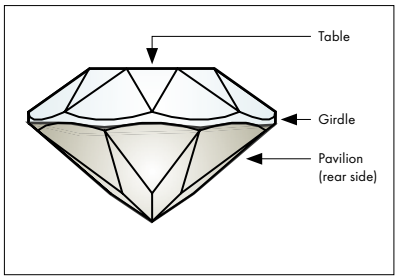
Round Stones	Round Stones are loose crystal elements. Most of them are pointed on the reverse side, making them easy to apply in either metal claw settings or pre-set cavities. The assortment features a wide variety of different cuts, the most innovative one being the XIRIUS Chaton and the smallest one being the XERO Chaton in size PP0.
Fancy Stones & Settings	Fancy Stones are offered in numerous shapes ranging from classical gemstone-inspired cuts to progressive trend cuts. They come in a huge assortment of different sizes and colors. Showing either a faceted or flat reverse side, Fancy Stones can be glued into pre-cast cavities or used in metal settings. Their precision-cut facets ensure the highest brilliance and endow design ideas with a unique sparkle.
Beads	Beads offer the highest standard available on the market. The high-quality precision cutting and the clear through-hole achieve high brilliance and clarity. Rounded hole edges reduce the wear on thread and increase the durability of designs. The assortment is divided into classic, romantic, and progressive shape characteristics. They are available in the latest fashion colors, effects, and cuts.
BeCharmed & Pavé	The BeCharmed assortment is available in a brilliant array of colors and effects, offers unlimited combination possibilities. All products of this unique line feature a high-quality stainless steel part with Swarovski branding and a 4.5 mm-diameter hole, which is the standard size for existing charm concepts, making BeCharmed pieces ideal collectibles.
Crystal Pearls	Crystal Pearls are perfect replicas of genuine pearls. They are made of a unique crystal core covered with an innovative pearl coating, which features a flawless, silky smooth, rounded surface. They are available in a variety of shapes, sizes, and colors and are delivered loosely threaded or, if desired, also knotted.
Pendants	Pendants have timeless elegance and are available in a large range of classical and avant-garde cuts and shapes, as well as in many colors and effects. Pendants offer a whole range of design possibilities for different segments thanks to their easy application, with the hole on top requiring only a jump ring/pinch bail with a chain or cord.
Flat Backs No Hotfix	Flat Backs No Hotfix are loose crystal elements backed with platinum foiling for extra brilliance and protection. These Flat Backs are easy to apply to a variety of carrier materials using standard one- or two-component glues. They are available in a multitude of sizes, colors, shapes, and cuts.
Flat Backs Hotfix	Flat Backs Hotfix are loose crystal elements with a flat reverse side that has been pre-coated with a heat-sensitive glue. These Flat Backs can be easily applied to a large range of textile carrier materials using heat to produce a durable and long-lasting crystal effect. Flat Backs Hotfix are available in a multitude of colors, shapes, and cuts.
Sew-on Articles	Sew-on articles are loose crystals that can be easily sewn (either by hand, or with a standard domestic or industrial embroidery sewing machine) onto any type of textile or accessory. Sew-on articles come in two-hole varieties, including round, oval, and triangle holes for use in a wide range of decorative applications for fine embroidery or even jewelry. Lochrosen are crystals with just one hole. Sew-on articles have rounded edges on the hole entry and exit areas to guarantee thread protection.
Self-adhesive Elements	Self-adhesive Elements are eye-catching products that come ready-to-apply. They are pressure-sensitive and self-adhesive. When applied to a carrier material, they can create elegant, romantic, or sporty designs.
Transfers	Transfers are ideal for Hotfix application on various kinds of textiles. They are available in a large range of motifs and numbers of rows, which are made up of different articles from the Flat Back Hotfix assortment. Featuring designs from our in-house design team, they can include XIRIUS and XILION Roses, or Creation Stones, as well as Cabochons.

Synthetics	These versatile products open up a multitude of creative design possibilities through their numerous application techniques. They combine elegant crystals from Swarovski that can be applied using Hotfix technology with synthetic carrier materials. They are ideal for use in the textile, interior design, jewelry, and accessories segments. Synthetic Coldfix is a product developed especially for materials that are not suitable for Hotfix application. Besides Hotfix application, Synthetic Foil Overlay can be applied easily using the sewing or gluing technique.
Plastic Trimmings	Plastic Trimmings are plastic carrier materials with integrated crystals. These multi-functional products can either be hand- or machine-sewn, or glued onto various surfaces. The range of bandings not only offers a color selection of chatons, but also a variety of casing colors.
Crystal Buttons	Crystal Buttons can be used in exactly the same way as standard buttons. The assortment of button usage ranges from shirts, blouses, jackets, and coats, through to denim and accessories. They are suitable for hand application and sewing with a machine.
Metal Trimmings	Metal Trimmings are forward-integrated metal products. They can be sewn by hand or machine and mechanically applied onto different fabrics or other materials. Metal Trimmings are bestsellers among the textile, shoe, and accessories segments because their wide range of application possibilities ensures that they can be used in a multitude of different ways.
Crystal Mesh	Crystal Mesh is a flexible metal mesh carrier with integrated loose crystals. The product is available in a wide range of colors and casings, either as a Hotfix version, which can be applied using heat, or as a No Hotfix version that can be hand- or machine-sewn.
Cupchains & Findings	These products are metal chains and findings that can incorporate either Round or Fancy Stones into any creative design. They can be divided into seven sub-categories: Single Stone Settings, Cupchains and Brass Components, Multi Stone Settings, Channels, Rondelles, and Linked Findings. Each of these categories is available in a wide variety of shapes, sizes, colors, and platings.

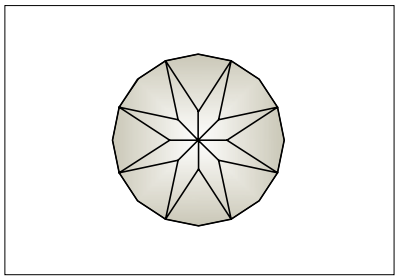
CRYSTAL SPECIFICATIONS



Front view



Side view



Rear view (Pavilion)

FOILING

Foiling is the process of mirror coating the reverse side of the crystals.

Silver Foiling (A)
A silver mirror finish for XIRIUS and XILION Hotfix articles only.

Platinum* Pro Foiling (F)
A silver mirror finish that is coated with a platinum colored protective layer of highest quality. The Platinum Pro Foiling is not only resistant to environmental damage from chlorine, salt water, and perfume - it can also withstand processes such as soldering and electroplating, giving it unprecedented durability (e.g. art. 4120).

Aluminum Foiling (M)
An aluminum mirror finish is applied using a vacuum coating process (e.g. art. 2855 Flat Back HF).

Protective Layer (P) for Beads and Pendants
Protective layer is a transparent lacquer system that is applied over the effects. This lacquer is designed to protect the effects from scratches, fingerprints, and other damage and also helps to prevent moisture that can lead to corrosion (e.g. from perspiration) penetrating into the effect layer when jewelry is designed to incorporate Crystal Stones that are not set in casings/settings.

Unfoiled (U)

EFFECTS

Vacuum Coating Effects

Vacuum coating processes on the surface of the crystal produce either a special surface or a translucent effect, according to the application methods used.
Please find below a list of all Swarovski effects followed by an explanation of the special vacuum coating processes.

Surface Effects

(Vacuum coating on the surface of the crystal)

Effect Code	*Name*
AB	Aurore Boreale
ANTP	Antique Pink
API	Astral Pink
BLSH	Blue Shade
BRSH	Bronze Shade
CAL	Comet Argent Light
COP	Copper
DOR	Dorado
GSHA	Golden Shadow
HEM	Hematite (only on Jet)
IGNIT	Ignite
IRIG	Iridescent Green
LISH	Lilac Shadow
LTCH	Light Chrome
LUMG	Luminous Green
METBL	Metallic Blue
METSH	Metallic Sunshine
MLGLD	Metallic Light Gold
MOL	Moonlight
NUT	Nut (only on Jet)
PARSH	Paradise Shine
RABDK	Rainbow Dark
REDM	Red Magma
ROGL	Rose Gold
SAT	Satin
SCGR	Scarabaeus Green designed by JPG
SHIM	Shimmer
SSHA	Silver Shade
TRA	Transmission

Translucent Effects

(Vacuum coating on the reverse side of the crystal, effect shines through the transparent crystal)

Effect Code	*Name*
BBL	Bermuda Blue
HEL	Heliotrope
MBL	Meridian Blue
SINI	Silver Night
VL	Vitrail Light
VM	Vitrail Medium
VOL	Volcano

Patina Effects

(Partial coating of the correspondingly modified effects)

Effect Code	*Name*
BLAPA	Black Patina
GOLPA	Gold Patina
ROSPA	Rose Patina
SILPA	Silver Patina
WHIPA	White Patina

*Silver mirror coated with a platinum colored protective layer.

Shimmer Effects

Effect Code	*Name*
001 SHIM	Crystal Shimmer
202 SHIM	Aquamarine Shimmer
203 SHIM	Topaz Shimmer
204 SHIM	Amethyst Shimmer
208 SHIM	Siam Shimmer
209 SHIM	Rose Shimmer
211 SHIM	Light Sapphire Shimmer
212 SHIM	Light Amethyst Shimmer
214 SHIM	Peridot Shimmer
215 SHIM	Black Diamond Shimmer
223 SHIM	Light Rose Shimmer
226 SHIM	Light Topaz Shimmer
227 SHIM	Light Siam Shimmer
229 SHIM	Blue Zircon Shimmer
236 SHIM	Hyacinth Shimmer
246 SHIM	Light Colorado Topaz Shimmer
249 SHIM	Citrine Shimmer
259 SHIM	Tangerine Shimmer
262 SHIM	Rose Peach Shimmer
360 SHIM	Erinite Shimmer
369 SHIM	Cobalt Shimmer
391 SHIM	Silk Shimmer
502 SHIM	Fuchsia Shimmer
539 SHIM	Tanzanite Shimmer

Crystal Lacquer[PRO] Effects

A premium opaque varnish which is applied to the reverse side of the crystal instead of foiling, resulting in an opalescent appearance.

Crystal Lacquer[PRO] Powder Effects

Effect Code	*Name*
001 L101	Crystal Powder Yellow
001 L102	Crystal Powder Green
001 L103	Crystal Powder Rose
001 L104	Crystal Powder Blue
001 L105	Crystal Powder Grey

Crystal Shiny Lacquer[PRO] Effects

Effect Code	*Name*
001 L106S	Crystal Ivory Cream
001 L107S	Crystal Royal Red
001 L108S	Crystal Dark Red
001 L109S	Crystal Royal Green
001 L110S	Crystal Royal Blue
001 L111S	Crystal Dark Grey
001 L112S	Crystal Azure Blue
001 L113S	Crystal Peony Pink
001 L114S	Crystal Summer Blue
001 L115S	Crystal Mint Green
001 L116S	Crystal Light Coral
001 L124S	Crystal Buttercup
001 L125S	Crystal Lime
001 L126S	Crystal Lilac

Crystal Lacquer[PRO] DeLite Effects

Effect Code	*Name*
001 L107D	Crystal Royal Red DeLite
001 L110D	Crystal Royal Blue DeLite
001 L129D	Crystal Light Grey DeLite
001 L130D	Crystal Army Green DeLite
001 L131D	Crystal Ochre DeLite
001 L132D	Crystal Burgundy DeLite
001 L133D	Crystal Cappuccino DeLite
001 L140D	Crystal Peach DeLite
001 L141D	Crystal Sunshine DeLite
001 L142D	Crystal Laguna DeLite
001 L143D	Crystal Ocean DeLite
001 L144D	Crystal Lavender DeLite
001 L145D	Crystal Lotus Pink DeLite
001 L146D	Crystal Orange Glow DeLite
001 L147D	Crystal Silky Sage DeLite

Crystal Electric Lacquer[PRO] Effects

Effect Code	*Name*
001 L134S	Crystal Electric Blue
001 L135S	Crystal Electric Green
001 L136S	Crystal Electric Orange
001 L137S	Crystal Electric Pink
001 L138S	Crystal Electric Yellow
001 L139S	Crystal Electric White
001 L148S	Crystal Electric Violet

Crystal Electric Lacquer[PRO] DeLite Effects

Effect Code	*Name*
001 L134D	Crystal Electric Blue DeLite
001 L135D	Crystal Electric Green DeLite
001 L136D	Crystal Electric Orange DeLite
001 L137D	Crystal Electric Pink DeLite
001 L138D	Crystal Electric Yellow DeLite
001 L139D	Crystal Electric White DeLite
001 L148D	Crystal Electric Violet DeLite

Variations on Surface Effects

2x
Both sides of the stone are treated with an effect (e.g. art. 5328 AB 2x).

B
Effects on three sides of a cube shape (e.g. art. 5601 AB B).

V
The effect is used in reverse. A surface effect is used like a translucent effect (e.g. art. 2420 NoHF SSHA V - Silver Shade on the reverse side).

Z
Only a part of the stone is treated with an effect (e.g. art. 4869 HEL Z).

FC (Full Coated)
Improved technology allows for the perfectly homogeneous, all-round application of high-intensity metallic effects in the Bead assortment (art. 5000).

CAL´V´SI & CAL´VZ´SI
The effect CAL (Comet Argent Light) is also used as a mirror coating on the reverse side of the crystal instead of standard foilings (A, F, ...) in special cases (e.g. art. 2035).

/G
Article with partly (PF) or fully frosted (FF) surface (e.g. art. 2611/G).

Special Surface Effects

Swarovski has been able to achieve special surface effects by using special chemical and mechanical processes on the surface of the crystals.

Effect Code	*Name*
MAT	Matt Finish

The Matt Finish effect is achieved by performing a chemical matting process on the entire surface of the crystal. Small variations in the size of the articles may occur as a result of this chemical process.

COLORS

- Crystal 001
- White Opal 234
- Light Silk 261
- Silk 391
- Light Peach 362
- Rose Water Opal 395
- Vintage Rose 319
- Blush Rose 257
- Light Rose 223
- Rose Peach 262
- Padparadscha 542
- Light Siam 227
- Scarlet 276
- Indian Siam [2] 327
- Rose 209
- Fuchsia 502
- Ruby 501
- Siam 208
- Burgundy 515
- Amethyst 204
- Iris 219
- Light Amethyst 212
- Violet 371
- Smoky Mauve 265
- Provence Lavender 283
- Tanzanite 539
- Light Sapphire 211
- Light Azore 361
- Aquamarine 202
- Air Blue Opal 285
- Sapphire 206
- Capri Blue 243
- Majestic Blue [1] 296
- Montana 207
- Light Turquoise 263
- Blue Zircon 229
- Indicolite 379
- Indian Sapphire 217
- Denim Blue 266
- Black Diamond 215
- Pacific Opal 390
- Chrysolite 238
- Peridot 214
- Erinite 360
- Fern Green 291
- Emerald 205
- Olivine 228
- Greige 284
- Light Grey Opal 383
- Light Colorado Topaz 246
- Jonquil 213
- Yellow Opal 231
- Light Topaz 226
- Topaz 203
- Tangerine 259
- Light Smoked Topaz 221
- Smoked Topaz 220
- Smoky Quartz 225
- Graphite 253
- Jet 280

The here presented colors and effects are based on the Round Stone color chart. For details on available colors and effects for each article within the product groups, please see the product matrix of the respective item in the Collection 2018.
For color and effect samples, please see the corresponding color chart.

The plating resistance of effects is tested according to Swarovski's plating guidelines (SWAROVSKI-PROFESSIONAL.COM). Customers are advised to carry out their own tests if customers' plating parameters diverge from Swarovski plating guidelines.

* Crystals are not resistant to plating and similar processing.
** Crystals are resistant to plating only if they are F-foiled.
*** designed by Jean Paul Gaultier.
[1] Majestic Blue's intense ultramarine hue is difficult to recreate accurately in print due to the fact that the CMYK color spectrum is used in the printing process. In order to get a truer impression of its color, please use RGB digital pictures or, ideally, ask for actual samples.
[2] The color Indian Siam is available only for a specific size range. Please refer to the current Collection.

Classic Colors/Effects: This color range offers a wide choice of traditional Swarovski crystal colors and effects.
Exclusive Colors/Effects: This color range is offered exclusively by Swarovski.

Colors and effects can appear different when illuminated with different light sources. Swarovski uses standard light source D50 for color decision and comparison. Slight changes in shades are unavoidable. Colors may vary according to cut and foiling.

The composition of Advanced Crystal is compliant with regulatory industry norms and laws regarding the restriction or prohibition of certain substances in the most relevant segments of our customers. Please note that the compliance of the crystal colors Citrine, Fireopal, Hyacinth, Light Siam, Siam, and Yellow Opal varies according to certain industry regulations. Those regulations are indicated with * in the compliance overview. Indian Siam and Scarlet (option to Lt. Siam) conform to all CLEAR-lists.

For further information please visit SWAROVSKI-PROFESSIONAL.COM

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EFFECTS

Crystal Silver Shade
001 SSHA

Crystal Moonlight
001 MOL

Crystal Aurore Boreale
001 AB

Crystal Luminous Green*
001 LUMG

Crystal Golden Shadow
001 GSHA

Crystal Metallic Sunshine*
001 METSH

Crystal Rose Gold*
001 ROGL

Crystal Astral Pink
001 API

Crystal Antique Pink*
001 ANTP

Crystal Vitrail Light**
001 VL

Crystal Paradise Shine*
001 PARSH

Crystal Vitrail Medium**
001 VM

Crystal Bermuda Blue**
001 BBL

Crystal Metallic Blue*
001 METBL

Crystal Blue Shade*
001 BLSH

Crystal Scarabaeus Green*/***
001 SCGR

Crystal Rainbow Dark*
001 RABDK

Crystal Dorado*
001 DOR

Crystal Metallic Light Gold*
001 MLGLD

Crystal Light Chrome*
001 LTCH

Crystal Silver Night**
001 SINI

Jet Hematite*
280 HEM

CRYSTAL LACQUER^{PRO} EFFECTS

Crystal Lacquer^{PRO} Powder Effects

Crystal Powder Yellow*
001 L101

Crystal Powder Rose*
001 L103

Crystal Powder Blue*
001 L104

Crystal Powder Green*
001 L102

Crystal Powder Grey*
001 L105

Crystal Shiny Lacquer^{PRO} Effects

Crystal Ivory Cream*
001 L106S

Crystal Light Coral*
001 L116S

Crystal Royal Red*
001 L107S

Crystal Peony Pink*
001 L113S

Crystal Dark Red*
001 L108S

Crystal Lilac*
001 L126S

Crystal Summer Blue*
001 L114S

Crystal Royal Blue*
001 L110S

Crystal Azure Blue*
001 L112S

Crystal Mint Green*
001 L115S

Crystal Royal Green*
001 L109S

Crystal Lime*
001 L125S

Crystal Buttercup*
001 L124S

Crystal Dark Grey*
001 L111S

Crystal Lacquer^{PRO} DeLite Effects

Crystal Light Grey DeLite*
001 L129D

Crystal Peach DeLite*
001 L140D

Crystal Orange Glow DeLite*
001 L146D

Crystal Lotus Pink DeLite*
001 L145D

Crystal Royal Red DeLite*
001 L107D

Crystal Burgundy DeLite*
001 L132D

Crystal Lavender DeLite*
001 L144D

Crystal Ocean DeLite*
001 L143D

Crystal Royal Blue DeLite*
001 L110D

Crystal Laguna DeLite*
001 L142D

Crystal Silky Sage DeLite*
001 L147D

Crystal Army Green DeLite*
001 L130D

Crystal Sunshine DeLite*
001 L141D

Crystal Ochre DeLite*
001 L131D

Crystal Cappuccino DeLite*
001 L133D

CRYSTAL PATINA EFFECTS

Crystal White Patina
001 WHIPA

Crystal Rose Patina*
001 ROSPA

Crystal Silver Patina*
001 SILPA

Crystal Gold Patina*
001 GOLPA

Crystal Black Patina*
001 BLAPA

IGNITE EFFECTS

Crystal Ignite
001 IGNIT

Aquamarine Ignite
202 IGNIT

Light Rose Ignite
223 IGNIT

SHIMMER EFFECTS

Light Siam Shimmer
227 SHIM

Light Sapphire Shimmer
211 SHIM

Black Diamond Shimmer
215 SHIM

Erinite Shimmer
360 SHIM

Light Colorado Topaz Shimmer
246 SHIM

Light Topaz Shimmer
226 SHIM

SIZES

PP 0
0.70–0.80 mm

PP 1 (SS 000)
0.80–0.90 mm

PP 2 (SS 00)
0.90–1.00 mm

PP 3 (SS 0)
1.00–1.10 mm

PP 4 (SS 1)
1.10–1.20 mm

PP 5 (SS 2)
1.20–1.30 mm

PP 6 (SS 2)
1.30–1.35 mm

PP 7 (SS 3)
1.35–1.40 mm

PP 8 (SS 3)
1.40–1.50 mm

PP 9 (SS 4)
1.50–1.60 mm

PP 10 (SS 4)
1.60–1.70 mm

PP 11 (SS 5)
1.70–1.80 mm

PP 12 (SS 5)
1.80–1.90 mm

PP 13 (SS 6)
1.90–2.00 mm

PP 14 (SS 6)
2.00–2.10 mm

PP 15 (SS 7)
2.10–2.20 mm

PP 16 (SS 7)
2.20–2.30 mm

PP 17 (SS 8)
2.30–2.40 mm

PP 18 (SS 8)
2.40–2.50 mm

PP 19 (SS 9)
2.50–2.60 mm

PP 20 (SS 9)
2.60–2.70 mm

PP 21 (SS 10)
2.70–2.80 mm

PP 22 (SS 10)
2.80–2.90 mm

PP 23 (SS 11)
2.90–3.00 mm

PP 24 (SS 12)
3.00–3.20 mm

PP 25 (SS 13)
3.20–3.30 mm

PP 26 (SS 13)
3.30–3.40 mm

PP 27 (SS 14)
3.40–3.50 mm

PP 28 (SS 14)
3.50–3.60 mm

PP 29 (SS 15)
3.60–3.70 mm

PP 30 (SS 15)
3.70–3.80 mm

PP 31 (SS 16)
3.80–4.00 mm

PP 32 (SS 17)
4.00–4.10 mm

PP 33 (SS 17)
4.10–4.20 mm

SS 18
4.20–4.40 mm

SS 19
4.40–4.60 mm

SS 20
4.60–4.80 mm

SS 21
4.80–4.90 mm

SS 22
4.90–5.10 mm

SS 23
5.10–5.27 mm

SS 24
5.27–5.44 mm

SS 25
5.44–5.61 mm

SS 26
5.61–5.78 mm

SS 27
5.78–5.96 mm

SS 28
5.96–6.14 mm

SS 29
6.14–6.32 mm

SS 30
6.32–6.50 mm

SS 31
6.50–6.68 mm

SS 32
6.68–6.87 mm

SS 33
6.87–7.07 mm

SS 34
7.07–7.27 mm

SS 35
7.27–7.48 mm

SS 36
7.48–7.70 mm

SS 37
7.70–7.93 mm

SS 38
7.93–8.16 mm

SS 39
8.16–8.41 mm

SS 40
8.41–8.67 mm

SS 41
8.67–8.95 mm

SS 42
8.95–9.23 mm

SS 43
9.23–9.53 mm

SS 44
9.53–9.85 mm

SS 45
9.85–
10.19 mm

SS 46
10.19–
10.54 mm

SS 47
10.54–
10.91 mm

SS 48
10.91–
11.30 mm

SS 49
11.30–
11.72 mm

SS 50
11.72–
11.97 mm

SS 55
12.97–
13.22 mm

SS 60
14.22–
14.47 mm

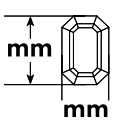
SS 65
15.47–
15.72 mm

SS 70
16.72–
16.97 mm

SS 75
17.97–
18.22 mm

Various measurement abbreviations are used to classify the jewelry stones.

PP, SS
Pearl Plate (PP), Sieve Size or Stone Size (SS) for round crystals.



mm
Metric figures in millimeters for crystal components and geometric forms.