



FLAT BACK STONES



WELCOME TO PRECIOSA®

The master craftsmen at Preciosa® have devoted themselves to crystal cutting for generations. Preciosa® was established in 1948 and has continued the century-old glass making tradition of North Bohemia. Our reputation for excellence has endured over the past sixty years. Today, we use only state-of-the-art technology in our manufacturing process. We are well known for producing machine-cut crystal components. In the jewellery trade our name is synonymous with quality, placing Preciosa® in a class of its own worldwide.

When you choose Preciosa® as a supplier, you gain a partner you can rely on. Our vast collection of machine-cut stones, beads, pearls, special stones, chandelier trimmings and fine jewellery stones satisfies the most demanding customers.

“ *The name Preciosa is derived from Latin, meaning precious, costly or valuable...* ”



Preciosa® Genuine Czech Crystal

► For centuries, Bohemia, a part of the Czech Republic, has been known for its crystal. It was here where the art of crystal cutting was perfected. Today, Preciosa® is known worldwide for its unique Hi-Pure Crystal Technology. Our crystal products possess extraordinary optical and aesthetic characteristics. The Preciosa® GENUINE CZECH CRYSTAL trademark is a guarantee of the finest quality Czech product available only from Preciosa®.



Environment

► Preciosa® is a European company that believes in supporting the preservation of the environment. We strive to ensure safety for those who use our products. We enforce environmentally safe working conditions and utilize ecologically responsible technologies. We are proud that Preciosa® crystal and glass components are certified according to the European Standard EN 71 – Safety of Toys – Volume 3 Issue 1996/A1, Year 2001 and the American norm ASTM F 963-07. They are also compliant with the International Standard OEKO-TEX 100. All Preciosa® colours are RoHS compliant* according to the exemption on the use of glass melt dated 26th June 2006.

*except Citrine, Sun, Hyacinth, Coral, Lt. Siam, Siam, Garnet.





FLAT BACK STONES



► Preciosa® Flat Back Stones are easily applied to a wide range of materials; whether you are gluing, hot-fixing or sewing them on. Preciosa's most exclusive product is the MC Chaton Rose VIVA12®. Known for its brilliance, sparkle and glitter, it features a more intense AB effect and an even greater glue-joint resistance. MC Chaton Rose VIVA12® is available in a vast array of sizes, colours and coatings.



No Hotfix Stones

► These stones are designed for application by gluing and have a highly resistant multilayer silver foiling that protects against damage and intensifies their brilliance. Our No Hotfix Stones can be easily fixed with recommended one- or two-component glues on various types of surfaces.










OVERVIEW

	MC Chaton Rose VIVA12®	ART. 438 11 612	ss	5, 6, 7, 8, 9, 10, 12, 16, 20, 30, 34, 40, 48
	MC Chaton Rose	ART. 438 11 110	ss	4
	MC Rivoli FB	ART. 438 11 301	mm	10, 12, 14, 16
	MC Flower FB	ART. 438 02 302	ss	10, 16, 20, 34
	MC Navette FB	ART. 438 14 110	mm	8×4
	MC Pearshape FB	ART. 438 15 110	mm	8×4.8, 10×6
	MC Square FB	ART. 438 23 210	mm	3×3, 4×4, 6×6
	MC Triangle FB	ART. 438 21 210	mm	6

Hotfix Stones

► Preciosa's Hotfix Stones feature a special low-melting-point adhesive. Their unique Aero-Bubble structure guarantees easy and delicate application on wide variety of materials. All our Hotfix Stones have a special grey interlayer that ensures better adhesion, thereby prolonging their durability in applications even on modern elastic fabrics.






OVERVIEW

	MC Chaton Rose VIVA12®	ART. 438 11 612	ss	5, 6, 8, 10, 12, 16, 20, 30, 34, 40, 48
	MC Chaton Rose	ART. 438 11 110	ss	4
	MC Rivoli FB	ART. 438 11 301	mm	10, 12, 14, 16
	MC Flower FB	ART. 438 02 302	ss	10, 16, 20, 34
	MC Navette FB	ART. 438 14 110	mm	8x4
	MC Pearshape FB	ART. 438 15 110	mm	8x4.8, 10x6
	MC Square FB	ART. 438 23 210	mm	3x3, 4x4, 6x6
	MC Baguette FB	ART. 438 26 210	mm	5x2.5
	MC Triangle FB	ART. 438 21 210	mm	6





Sew-on Stones






► Our vast assortment of Sew-on Stones constitutes another special category in the Preciosa® Collection. Sewing is an ideal technique for attaching larger stones. Our Sew-on Stones can be attached to all sorts of materials by using nylon or polyester threads guaranteeing an unsurpassed holding force.




OVERVIEW

	MC Loch Rose VIVA 1H	ART. 438 61 612	mm 3, 4, 5, 6, 7, 8, 9
	MC Rivoli 2H	ART. 438 61 302	mm 10, 12, 14
	MC Oval 301 2H	ART. 438 62 301	mm 10×7
	MC Square 301	ART. 438 73 301	mm 6×6, 8×8, 10×10
	MC Flower 301	ART. 438 52 301	mm 6, 8, 10, 12, 14

Conversion table of sizes

SS	∅ mm	1:1
4	1.50–1.70	
5	1.70–1.90	
6	1.90–2.10	
7	2.10–2.30	
8	2.30–2.50	
9	2.50–2.70	
























SS	∅ mm	1:1
10	2.70–2.90	
12	3.00–3.20	
16	3.80–4.00	
20	4.60–4.80	
30	6.30–6.50	

SS	∅ mm	1:1
34	7.00–7.30	
40	8.35–8.65	
48	10.95–11.25	

Colours

	Crystal 00030		Gold Beryl 10430		Garnet 90120
	Jet 23980		Jonquil 80100		Amethyst 20050
	White Opal 01000		Citrine 80310		Light Burgundy 90095
	Black Diamond 40010		Topaz 10070		Light Amethyst 20020
	Aquamarine 60000		Light Colorado Topaz 10330		Violet 20310
	Aqua Bohemica 60010		Smoked Topaz 10220		Alexandrite 20210
	Turquoise 63030		Gold Quartz 00530		Tanzanite 20410
	Light Sapphire 30020		Light Peach 90300		Deep Tanzanite 20480
	Sapphire 30050		Light Rose 70020		
	Montana 30340		Pink Sapphire*** 70220		
	Capri Blue 60310		Rose 70010		
	Indicolite 60100		Fuchsia 70350		
	Blue Zircon 60230		Ruby 90110		
	Chrysolite 50000		Sun 90310		
	Peridot 50520		Hyacinth 90040		
	Emerald 50730		Coral 93180		
	Green Turmaline 50020		Light Siam 90070		
	Olivine 50230		Siam 90090		

Coatings

	Crystal AB 00030 AB		Crystal Lagoon* 00030 Lag
	Crystal Argent Flare 00030 AgF		Crystal Bermuda Blue* ** 00030 BBl
	Crystal Velvet* 00030 Vel		Crystal Heliotrope* ** 00030 Hel
	Crystal Honey 00030 Hon		Crystal Blue Flare* 00030 BIF
	Crystal Blond Flare* 00030 BdF		Crystal Valentinite* *** 00030 Val
	Crystal Aurum* 00030 Aur		Crystal Labrador* 00030 Lab
	Crystal Monte Carlo* 00030 MtC		Jet Silver Flare* 23980 SiF
	Crystal Capri Gold* 00030 CaG		Jet Hematite* 23980 Hem
	Crystal Apricot* 00030 Apri		Jet Brown Flare* 23980 BrF
	Crystal Venus 00030 Ven		
	Crystal Volcano* ** 00030 Vol		
	Crystal Vitrail Light* ** 00030 VL		
	Crystal Vitrail Medium* ** 00030 VM		
	Crystal Viridian* *** 00030 Vir		

NOTE:

Coatings which are not in the standard offer are available for MC Chaton Rose VIVA12® only on a special request.

* Products with these coatings are not resistant to plating and similar processing.

** Crystal Heliotrope, Crystal Volcano, Crystal Vitrail Light, Crystal Vitrail Medium, Crystal Bermuda Blue are available only on MC Chaton Roses VIVA12®, ss 16, 20.

*** Only for MC Flower 301.

Selecting an Adhesive for Gluing Preciosa® Stones

Making an informed choice of a suitable adhesive is an essential prerequisite to successfully glue Preciosa® No Hotfix Stones onto various carrier materials.

Adhesives suitable for fashion jewellery carrier materials

Fashion jewellery carrier materials include primarily nonferrous metals, deposited noble metals, other lacquered and non-lacquered materials, ceramics, glass, stone, hard woods and other solid materials. Recommended adhesives: Plus 300 Endfest (UHU GmbH) – www.uhu.de (preferred), Hypo cement (Tolls GS), Loctite 0151 Hysol (Loctite Corp.), Hezhong GH-AAA, GS, Pronto CA-50 gel, Araldite Standard and other epoxy adhesives by various producers.

Adhesives suitable for textile, paper and other carrier materials

These include all types of textiles, knitted fabrics, non-woven fabrics, leathers and synthetic imitations of these, paper etc. Recommended adhesives: Gutermann HT 2 Textilekleber (Gutermann GmbH) – www.gutermann.com (preferred), UHU kraft Alleskleber (UHU GmbH) – www.uhu.de (preferred), E 6000 adhesive (Eclectic Products Inc.), DSI glue (DSI visions), Bostik All purpose, Pattex Kraftkleber Transparent (Henkel), Bison textile adhesive (Bison International).

Care of Textile Materials with No Hotfix and Sew-on Stones

Textile products with No Hotfix Stones glued or sewed onto them are usually very sensitive to maintenance techniques and require careful handling.

It is therefore strongly recommended that if the need arises, they should only be washed by hand, using lukewarm water with a minimum amount of non-aggressive washing agents (detergents, washing agents designed for use with soft fabrics). Do not tumble dry or wring the washed products. Wrap them in a towel, gently squeeze the water out and then lay them out on an absorbent ground to dry (e.g. like woolen sweaters).

An alternative procedure can be selected only after a positive test result has been achieved with a proof sample.

Heat and Ultrasonic Setting Techniques for Hotfix Stones

Thanks to the new low-melting point adhesive, the Hotfix stones can be very gently applied onto most textile materials. Our Hotfix stones are designed to ensure maximum smoothness and efficiency in your production process, thus minimizing production costs. Our innovated, low-melting point adhesive layer on the bottom of the stones enables the use of all state of the art heat-setting devices based on simultaneous application of heat and pressure as well as ultrasonic devices with application times from 0.3 sec. per one stone.



Point Heat Setting Devices – loose stones

Material	Time (sec.)								
Temperature (°C)	120	130	140	150	160	170	180	200	220
synthetics	10	9	8	7	6	5	4	3.5	3
silk	14	13	11	9	7	5	4	3.5	3
cotton	15	13	11	9	7	5	4	3.5	3
linen	15	13	11	9	7	5	4	3.5	3
viscose	18	15	12	9	7	5	4	3.5	3
wool	25	22	19	16	13	10	8	7	6
denim	25	23	21	18	15	12	10	9	8
lycra	25	21	17	13	9	5	4	3.5	3

Sizes ss 4 – 48 basic setting.

It is recommended to set the device on low pressure when applying the stones at temperatures of 180 °C and higher.



Heat Press and Iron – motifs (transfers)

Material	Time (sec.)		
Temperature (°C)	160	170	180
synthetics	30	25	20
silk	30	25	20
cotton	30	25	20
linen	30	25	20
viscose	30	25	20
wool	30	25	20
denim	30	25	20
lycra	30	25	20

The figures are given for stones size ss 10.

While applying larger stones, it is advisable to use longer times.

The application time depends on the largest stone in the motif.



Heat Press and Iron – motifs (transfers)

Material	Time (sec.)						
Temperature (°C)	120	130	140	150	160	170	180
synthetics	10	9	8	7	6	5	4
silk	14	13	11	9	7	5	4
cotton	15	13	11	9	7	5	4
linen	15	13	11	9	7	5	4
viscose	18	15	12	9	7	5	4
wool	25	22	19	16	13	10	8
denim	25	23	21	18	15	12	10
lycra	25	21	17	13	9	5	4

Sizes ss 4 – 48 basic setting.

Heat and Ultrasonic Setting Techniques for Hotfix Stones (continued)



Applicator and Iron



– loose stones

Material	Time (sec.)		
Temperature (°C)	160	170	180
synthetics	18	15	12
silk	18	15	12
cotton	18	15	12
linen	18	15	12
viscose	18	15	12
wool	18	15	12
denim	18	15	12
lycra	18	15	12

The figures are given for stones size ss 10.



Point Ultrasonic Devices – loose stones

Size	ss 4, 5, 6, 8, 10		ss 16, 20		ss 30, 34, 40, 48	
Material	Pressure (bar)	Time (sec.)	Pressure (bar)	Time (sec.)	Pressure (bar)	Time (sec.)
synthetics	2 – 2.5	0.3 – 0.4	3 – 3.5	0.4 – 0.5	3.5	0.5
silk	1.5	0.3	2.5 – 3	0.5 – 0.6	2.5 – 3	0.5 – 0.6
cotton	2 – 2.5	0.3 – 0.4	3 – 3.5	0.4 – 0.5	3.5	0.5
linen	2 – 2.5	0.3 – 0.4	3 – 3.5	0.5 – 0.6	3.5	0.6
viscose	1.5 – 2	0.3 – 0.4	3 – 3.5	0.5 – 0.6	3.5	0.5 – 0.6
wool	2 – 2.5	0.3 – 0.4	3 – 3.5	0.6	3.5	0.6
denim	2 – 2.5	0.3	3 – 3.5	0.4 – 0.6	4	0.6 – 0.8
lycra	1.5	0.3	2 – 2.5	0.3 – 0.4	3	0.4



All application parameters specified in the tables are guidelines only. Tests should be always carried out from the start of production. Bond strength of Preciosa® stones on textiles reaches its desired quality in 24 hours from application, therefore it isn't recommended to carry out any testing and washing of applied stones before this time.

Care of Textile Materials with Hotfix Stones

The VIVA12® chaton roses and other flat-back stones by Preciosa® come complete with a high-quality adhesive layer. When all the application rules are observed, the adhesive is resistant to the following maintenance techniques:



Washing: Before washing textile products with glass stones, turn them inside out. Use a gentle washing cycle (60 °C / 140 °F), and to avoid the stones being damaged, put the products into a soft bag (flannel).



Ironing: To protect the stones from damage, first cover them with a soft flannel cloth. Set the iron to a maximum of 150 °C (302 °F). Do not apply heat to the stones for too long as the adhesive might melt.



Drying: Before drying textile products with stones, turn them inside out, and to avoid the stones being damaged, put the products into a soft flannel bag. In a tumbler dryer, use a low temperature and a gentle drying cycle.



Bleaching: To avoid damage to textile products and to the stones, do not use chlorine bleach.



Cleaning: Textile products with stones can be dry-cleaned, using perchlorethylene. This technique requires utmost caution.



Using solvents: Textile products with stones can be dry-cleaned, using hydrocalumites. This technique also requires utmost caution – turn the products inside out and put them into a soft flannel bag.



Professional wet-cleaning: Textile products with stones can be cleaned at a professional cleaner.

While maintaining textile products with Preciosa® stones, it is absolutely necessary to follow the maintenance symbols attached to each garment. In those cases when the values given in the pictograms on the garment exceed the values given in these instructions, it is necessary to adapt them to the values stipulated by Preciosa®.



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