

Zirkonzahn®

Human Zirconium Technology



COLOUR LIQUID PRETTAU® ANTERIOR® AQUARELL

The art of colouring zirconia



Instructions for colouring of a front tooth

Starting situation: milled tooth in Prettau® Anterior®



Step	Colour Liquid	Colour application	labial	palatal
1	A3 Anterior® Aquarell Colour Liquid for Prettau® Anterior®	1x 2x 3x		
2	A3 Anterior® Aquarell Colour Liquid for Prettau® Anterior®	1x 2x		
3	A3 Anterior® Aquarell Colour Liquid for Prettau® Anterior®	1x		
4	Cervical A Anterior® Aquarell Colour Liquid for Prettau® Anterior®	1x		
5	Incisal blue Anterior® Aquarell Colour Liquid for Prettau® Anterior®	1x - 2x		
6	Incisal grey Anterior® Aquarell Colour Liquid for Prettau® Anterior®	1x		
7	Incisal violet Anterior® Aquarell Colour Liquid for Prettau® Anterior®	1x		
8	Orange 1 Anterior® Aquarell Brown 2 Anterior® Aquarell Colour Liquid for Prettau® Anterior® Colour Liquid for Prettau® Anterior®	1x 1x		

Drying: After the colouring process the structures are placed (occlusal surface down) on the fireclay structure under the drying lamp and there dried for about 20–40 minutes (duration depends on size). **Please note:** A longer drying time has no negative influence on the colouring.

Instructions for colouring of a posterior tooth

Starting situation: milled tooth in Prettau® Anterior®

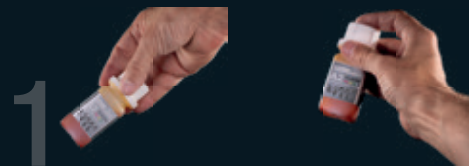


Step	Colour Liquid	Colour application	buccal	occlusal
1	A3 Anterior® Aquarell Colour Liquid for Prettau® Anterior®			
2	A3 Anterior® Aquarell Colour Liquid for Prettau® Anterior®			
3	A3 Anterior® Aquarell Colour Liquid for Prettau® Anterior®			
4	Cervical A Anterior® Aquarell Colour Liquid for Prettau® Anterior®			
5	Incisal blue Anterior® Aquarell Colour Liquid for Prettau® Anterior®			
6	Incisal grey Anterior® Aquarell Colour Liquid for Prettau® Anterior®			
7	Incisal violet Anterior® Aquarell Colour Liquid for Prettau® Anterior®			
8	Orange 1 Anterior® Aquarell Brown 2 Anterior® Aquarell Colour Liquid for Prettau® Anterior® Colour Liquid for Prettau® Anterior®			

Drying: After the colouring process the structures are placed (occlusal surface down) on the fireclay structure under the drying lamp and there dried for about 20–40 minutes (duration depends on size). **Please note:** A longer drying time has no negative influence on the colouring.

Instructions for colouring of an individual crown (dipping technique)

Initial situation: crown milled from Prettau® Anterior®



1
Shake well before use



2
Immerse the Prettau® Anterior® crown with a pair of plastic tweezers for approx. 1 sec. into the liquid



3
Take the Prettau® Anterior® crown out of the liquid and immediately immerse it into water



4
Move the Prettau® Anterior® crown in the water for about 1–2 sec.



5
The Prettau® Anterior® crown is dabbed with a paper handkerchief



6
Important: remaining water residues are immediately soaked up with a handkerchief

Instructions for storage and application

Store the Colour Liquids Prettau® Anterior® Aquarell in a cool and dark place. To obtain a homogeneous colour result, shake well before use. Before colouring the structure, dip the brush entirely into the Colour Liquid and wipe excess drops from the edges. When changing colour, clean brush thoroughly with water first.

HUMAN ZIRCONIUM TECHNOLOGY

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Firing of full contour structures made from Prettau® Anterior® and coloured with Stains ICE Zirkon Malfarben 3D by Enrico Steger in the ceramic oven

Variant 1

„All-in-one“ (3D base glaze and Stains ICE Zirkon Malfarben 3D by Enrico Steger in a single firing):

Starting temperature: 300–350 °C

Closing time ceramic oven: 8 min

Rate of increase: 35–55 °C/min

Temperature: 800 °C, 5 minutes holding time without vacuum

Info: at first a thin layer of Base Glaze is applied, then the Stains ICE Zirkon Malfarben 3D by Enrico Steger can be incorporated into the glaze. The Stains can be mixed with Base Glaze to decrease the colour intensity.

Variant 2

More firings (basic glaze firing, stains firing, final glaze firing):

Starting temperature: 300–350 °C

Closing time ceramic oven: 8 min

1st firing: at 800 °C, 5 min holding time without vacuum

For all further firings: decrease the final temperature about 10–20 °C

The Stains ICE Zirkon Malfarben 3D by Enrico Steger can be mixed with Base Glaze to decrease the colour intensity.



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