

Instructions

Colouring of Prettau® Anterior® with Colour Liquid Prettau® Anterior® Aquarell

The range of Colour Liquid Prettau® Anterior® Aquarell colours basically corresponds to the 16 colours covering the entire chromatic spectrum of the Vita shades. They are water-based and acid-free. For visual aid, these new liquids contain special burn-out bio-pigments which assist in realistic shade distribution and colour grading. Individual custom colouring of fine details such as mamelons, cervical or interproximal areas is considerably easier and can be performed with pinpoint precision.

During sintering the bio-pigments are burned out at 100% and the restoration appears in the desired tooth colour.

The use of Cervical and Intensive colours adds artistic perfection to the end result. Together with the new Colour Liquids Prettau® Anterior® Aquarell a simplified brushing technique for acid-free colouring of pre-sintered Prettau® Anterior® has been developed.



Required equipment



Colour Liquid Prettau® Aquarell



Metal-free brush for application of the Liquids



Paper napkin for brush drying



Drying lamp



Sintering furnace

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

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.

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

Instructions for colouring of a front tooth

Starting situation: milled tooth



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



Step	Colour Liquid	Colour application	buccal	occlusal
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 2x 3x buccal occlusal		
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 Colour Liquid for Prettau® Anterior	1x		
	Brown 2 Anterior Aquarell Colour Liquid for Prettau® Anterior	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 individual crown (dipping technique)

Initial situation: crown milled from Prettau® Anterior®



Shake well before use



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



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



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



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



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