



AMANNGIRRBACH

AESTHETIC, MULTI-INDICATIVE, RELIABLE.

 **ceramill[®] zirconia**



THE MATERIAL THAT CREATES AESTHETICS.

Zircon oxide (ZrO_2) is now indispensable as a material for highly aesthetic, durable prosthetic restorations. Discovered in 1789 by the German chemist M. H. Klaproth, zircon oxide was developed for use in space travel due to its high loading properties. As a result of its exceptional fracture toughness, wear resistance and biocompatibility the high-tech ceramic was used in hip-joint prosthetics. Because of its tooth-like colour zircon oxide became increasingly important in dentistry towards the end of the 1990s, where it is often the restoration material of choice thanks to its optical adaptability, stability and range of indications.

With the Ceramill brand of zirconia blanks Amann Girrbach provides the right material for any fixed indication to fabricate restorations with long-term stability and natural aesthetics economically and efficiently.

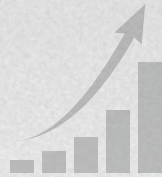


VERSATILE, ECONOMIC, AESTHETIC.



SHADE AND PROCESS RELIABILITY

Aesthetically and functionally perfect restorations. Amann Girrbach developed and produced zirconia blanks with the brand name Ceramill solely and exclusively with this intention. We examined our materials for absolute shade stability according to the VITA classical shade guide with extensive tests and meticulously coordinated these to all software and hardware components. We therefore guarantee the highest shade and process reliability for the entire fabrication procedure.



EFFICIENCY AND ECONOMY

Economic, efficient processes are a basic component of our product and corporate philosophy. These are based on completely integrated system components, which make your working processes easy and efficient. Amann Girrbach provides its customers with a versatile and economic overall concept comprising zirconia blanks and colouring solutions with which you can meet all the requirements in terms of aesthetics and range of indications.



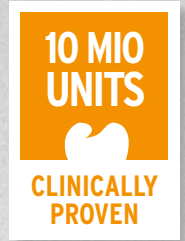
QUALITY

Zircon oxide ≠ zircon oxide. If the zirconia blanks on the market are assessed according to their chemical composition, hardly any differences are noticeable. However, the mechanical and optical characteristics are largely determined by the manufacturing process of the material - for us the decisive argument for the in-house production of zirconia blanks. This allows us to guarantee a secure, quality manufacturing process and constantly high material quality.



ZIRCONIA MADE IN-HOUSE. MANUFACTURE OF CERAMILL ZIRCONIA AT AMANN GIRRBACH.

Zirconia (ZrO_2) is extracted from zirconium silicate ($ZrSiO_4$), which is prepared in a complex chemical process to a crystalline, white powder. The addition of organic binders allows the powder to be pressed into blanks, which obtain their processing properties by a downstream pre-sintering process. At our development and production location at our headquarters in Austria we have a highly modern production plant, which we use to process zirconia powder into blanks under the strictest test procedures according to established, certified processes. Each individual blank is subjected to extensive quality checking before approval for manual or mechanical processing by our end customers. In this way we can ensure permanently high material quality with excellent processing properties.



IN-HOUSE PRODUCTION



QUALITY

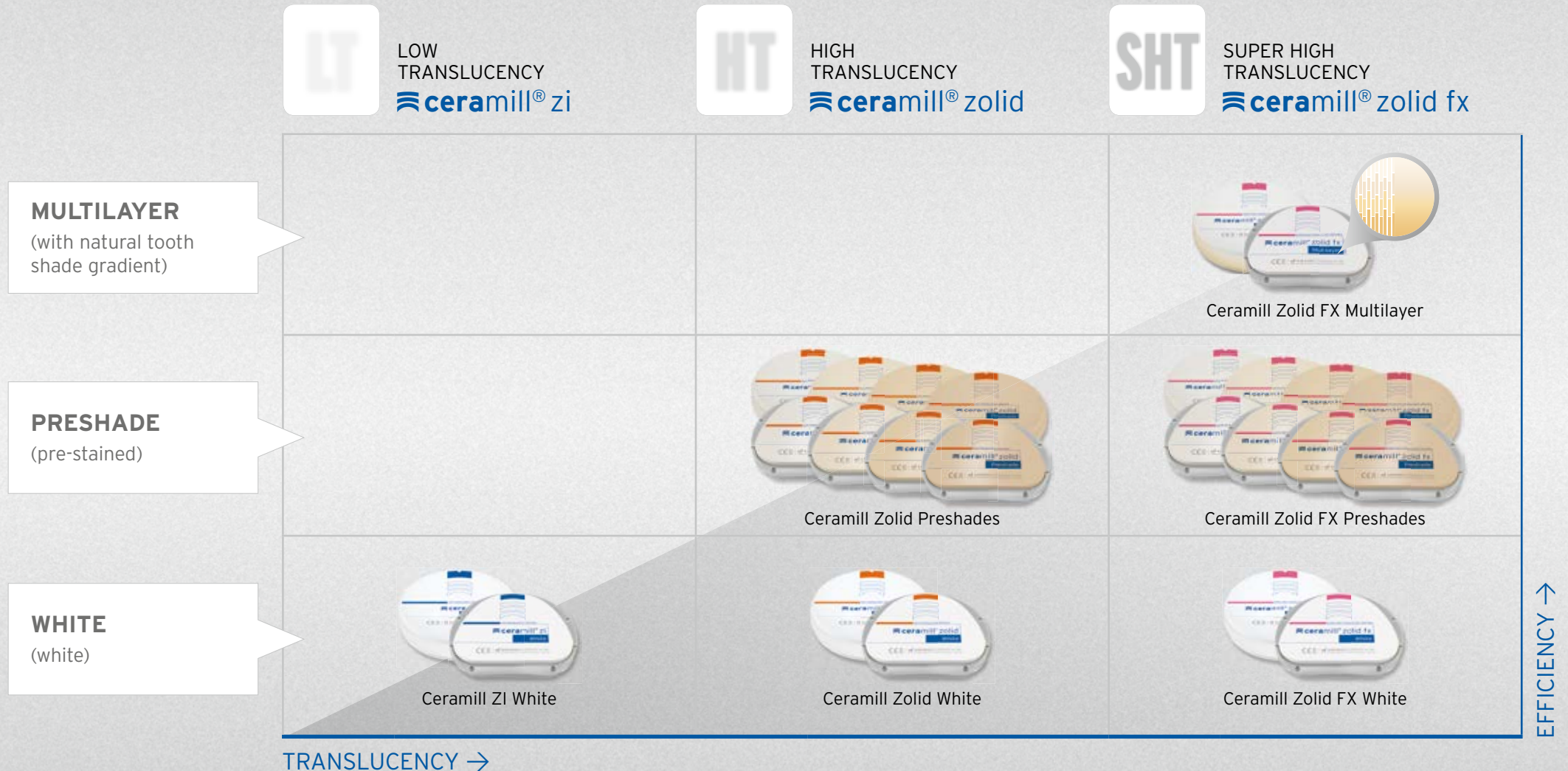


VERSATILITY








ZIRCONIA FOR ALL REQUIREMENTS



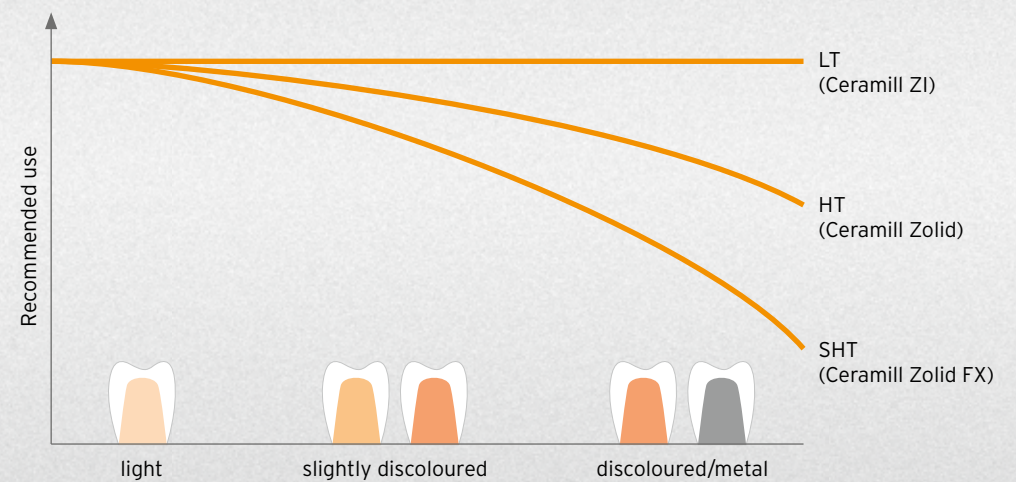
AESTHETIC MANAGEMENT AND PROCESSING

The optimum zirconia for an indication is based on different factors. Aesthetic requirements, size of the restoration or shade of the prepared tooth thus decisively affect selection of the material. The more precisely the shade of the prepared tooth, material and indication are matched to one another the more predictable and aesthetically accurate restorations can be fabricated.

Prepared tooth shade	Translucency	Product	Processing						
			Brush/Immersion technique (Liquid)	Staining technique	Cut-back technique	Layering technique	Veneer	Inlay	Onlay
Light 	SHT	Ceramill Zolid FX Multilayer		○	○		○	○	○
		Ceramill Zolid FX Preshades		○	○	○	○	○	○
		Ceramill Zolid FX White	○	○	○	○	○	○	○
Low - slightly discoloured 	HT	Ceramill Zolid Preshades		○	○	○			
		Ceramill Zolid White	○	○	○	○			
Low - discoloured/metal 	LT	Ceramill ZI White	○			○			

Indication				
Anterior and posterior crowns	3-unit bridge (incl. molar region)	Multi-unit bridge	Hybrid abutment	Hybrid abutment-crown
○	○			○
○	○			○
○	○			○
○	○	○	○	○
○	○	○	○	○
○	○	○	○	○

RECOMMENDED USE OF CERAMILL ZIRCONIA IN RELATION TO PREPARED TOOTH SHADE AND DEGREE OF TRANSLUCENCY





Ceramill Zolid FX Multilayer

POLYCHROMATIC, SUPER-HIGH TRANSLUCENT ZIRCONIA

Ceramill Zolid FX Multilayer is a polychromatic, super-high translucent zirconia with integrated shade and translucency gradient. Smooth shade transitions simulate tooth enamel, dentine and cervical shades in a naturally fluent progression without disruptive shade edges. The tooth-like preshading allows efficient, economical processing without the staining procedure.

Restorations can be further customised after sintering to achieve more aesthetic results using stains and glazing porcelains of the Ceramill Stain & Glaze kit.

INDICATIONS

Fully anatomical crowns and bridges (max. 3 units extending to the molar region)

Veneers, inlays, onlays

- _Continuous shade and translucency gradient for smooth shade transitions without shade edges, and natural aesthetics**
- _High bending strength in comparison with glass-ceramics enables fabrication of up to 3-unit bridges, including in the molar region**
- _Intelligent nesting concept guarantees accurate matching of the VITA shades and economic working in the lab**



Ceramill Zolid FX Multilayer blanks



Ceramill Stain & Glaze stains and glaze porcelains for final aesthetic customisation

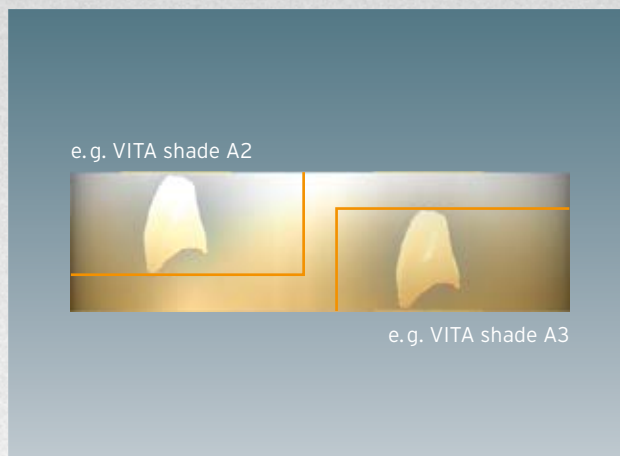


POLYCHROMATIC, SUPER-HIGH TRANSLUCENT ZIRCONIA



CONTINUOUS SHADE AND TRANSLUCENCY GRADIENT

Ceramill Zolid FX Multilayer blanks have a continuous shade and translucency gradient. Tooth enamel, dentine and cervical tooth shades merge fluently without disruptive shade edges. To ensure absolute shade stability Amann Girrbach has combined the shades in the blank with an intelligent nesting concept, which can be used for precisely controlling the required tooth shade.



INTELLIGENT NESTING CONCEPT ACCORDING TO THE VITA CLASSICAL SHADE GUIDE

Material-analogous visualisation of the shade gradient in the nesting software enables users to position the restoration in the blank flexibly and according to the selected tooth shade and fabricate it with the aid of CNC. Every Ceramill Zolid FX Multilayer blank thus covers two VITA tooth shades, which allows aesthetic results to be produced extremely economically.



ACCURATE SHADE RESULTS

Milled, sintered, glazed - depending at what height the units are placed, a lighter or darker VITA shade will be achieved. Accurate shade results reduce reworking to a minimum.

PRE-STAINED, SUPER-HIGH TRANSLUCENT ZIRCONIA

Ceramill Zolid FX Preshades are pre-stained, super-high translucent zirconia blanks for monolithic or anatomically reduced anterior restorations and up to 3-unit bridges in the molar region. The blanks, which are homogeneously stained throughout in an industrial process, can be sintered directly after milling. The blanks are available in different shade gradations and users benefit from increased shade stability and accelerated, economic fabrication of highly aesthetic restorations.

- _ Super-high translucent, pre-stained zirconia for the highest demands of efficiency and aesthetics**
- _ High bending strength enables the fabrication of up to 3-unit bridges, including in the molar region**
- _ Shade and process reliability by pre-stained blanks ensures easy, time-saving processing**



Ceramill Zolid FX Preshade blanks



Ceramill Stain & Glaze stains and glaze porcelains for final aesthetic customisation

INDICATIONS

Fully anatomical crowns and bridges (max. 3 units extending to the molar region)

Anatomically reduced crown and bridge frameworks
(max. 3 units extending to the molar region)

Veneers, inlays, onlays





Ceramill Zolid FX White

SUPER-HIGH TRANSLUCENT ZIRCONIA

Ceramill Zolid FX White, these are super-high translucent zirconia blanks used for monolithic or anatomically reduced anterior restorations and up to 3-unit bridges in the molar region. The high-performance ceramic combines the outstanding processing characteristics of zirconia with comparable translucency previously only known in lithium disilicate. The result is highly aesthetic restorations with permanent strength and stability. Restorations are processed and fitted intraorally without additional cost using commercially available luting material.

- _Super-high translucent zirconia for highly aesthetic results in the anterior and posterior regions**
- _High bending strength compared with glass-ceramics enables fabrication of up to 3-unit bridges, including in the molar region**
- _Intelligent, simple shade concept according to the VITA classical shade guide**



Ceramill Zolid FX White blanks



Ceramill Liquid FX colour solutions for Ceramill Zolid FX White



Ceramill Stain & Glaze stain and glaze porcelains for final aesthetic customisation

INDICATIONS

Fully anatomical crowns and bridges (max. 3 units extending to the molar region)

Anatomically reduced crown and bridge frameworks (max. 3 units extending to the molar region)

Veneers, inlays, onlays



AESTHETICS AND TRANSLUCENCY



- _ Highly aesthetic anterior and posterior restorations
- _ Increased reliability compared with conventional glass-ceramics thanks to doubling of the strength without any ageing effect
- _ Expanded range of indications with up to 3-unit bridges extending to the molar region
- _ Tooth-structure-conserving preparation and restorations with little space availability thanks to minimum restoration thicknesses of 0.5 mm - 0.7 mm

TIME AND MONEY



■ Wear milling cutter/grinder per unit
■ Material price per unit

- Economic processes thanks to a reduction in material costs, processing times and milling cutter wear
- Processing in the standard zirconia workflow - no time-consuming and error-prone grinding or press processes
- Dry milling enables delicate marginal design without chipping or reworking





PRE-STAINED, HIGH TRANSLUCENT ZIRCONIA

Economic, yet aesthetic results can be achieved using Ceramill Zolid Preshades. The industrially pre-stained blanks are directly sintered without staining and used for fully anatomical restorations or as a framework for restorations with porcelain veneering. Ceramill Zolid Preshades are available in several shade gradations and cover 80% of the most commonly used tooth shades in the lab. The respective dentine shades can be achieved in combination with the stains and glaze porcelains of the Ceramill Stain & Glaze kit.

INDICATIONS

Fully anatomical crowns and 4-unit to multi-unit bridges

Anatomically reduced crowns and 4-unit to multi-unit bridge frameworks

Multi-unit, screw-retained restorations on titanium bases

_Pre-stained blanks ensure shade and process reliability

_Easy, time-saving processing

_High strength of 1100 MPa enables fabrication of long-span restorations



Ceramill Zolid Preshade blanks



Ceramill Stain & Glaze stains and glaze porcelains for final aesthetic customisation





Ceramill Zolid White

HIGH TRANSLUCENT ZIRCONIA

Ceramill Zolid White produces highly aesthetic restorations with comparatively little customisation. Colouring liquids, specially developed for Ceramill Zolid White (Ceramill Liquids “new formula”) enable easy, accurate staining in the 16 VITA classical tooth shades and provide the perfect foundation for subsequent customisation using Ceramill Stain&Glaze and/or veneering porcelain. Restorations fabricated using Ceramill Zolid White, which can be used for fully anatomical or anatomically reduced restorations, are impressive due to their light dynamics, depth effect and natural aesthetics.

INDICATIONS

Fully anatomical crowns and 4-unit to multi-unit bridges

Anatomically reduced crowns and 4-unit to multi-unit bridge frameworks

Multi-unit, screw-retained restorations on titanium bases

- _Wide range of indications and customisation options for highly aesthetic results
- _Compact, coordinated shade concept according to the VITA classical shade guide
- _High translucency with natural light and shade dynamics



Ceramill Zolid White blanks



Ceramill Liquid “new formula” for Ceramill Zolid White - exact, accurate staining in the 16 VITA classical tooth shades



Ceramill Stain&Glaze stains and glaze porcelains for final aesthetic customisation





LOW TRANSLUCENT ZIRCONIA

Ceramill ZI features high strength, rigidity and biocompatibility. Restorations fabricated from the pre-sintered zirconia blanks have a particularly high flexural strength of up to 1200 MPa (3-point bending strength) and can be processed without any problems thanks to their optimum edge stability. With an opacity value of approx. 70% Ceramill ZI is ideal for indications in which discoloured tooth preparations or metal frameworks must be masked, as well as for the fabrication of support structures for fixed and removable prosthetic restorations. Ceramill ZI frameworks can be customised with the Ceramill Liquid colouring liquids using the immersion or brush technique.

- _Optimum edge stability and millability
- _Customisable using Ceramill Liquid colouring liquids
- _High strength and rigidity



Ceramill ZI White blanks



Ceramill Liquid CL colouring solutions for Ceramill ZI White



Ceramill Stain & Glaze stains and glaze porcelains for final aesthetic customisation

INDICATIONS

Anatomically reduced crowns and 4-unit to multi-unit bridge frameworks

Custom abutments on titanium bases

Multi-unit, screw-retained restorations on titanium bases





TECHNICAL DATA

FLEXURAL STRENGTH

3-point bending strength [MPa] DIN EN ISO 6872.
The higher the flexural strength of zirconia (ZrO_2),
the better the stability under masticatory loading.

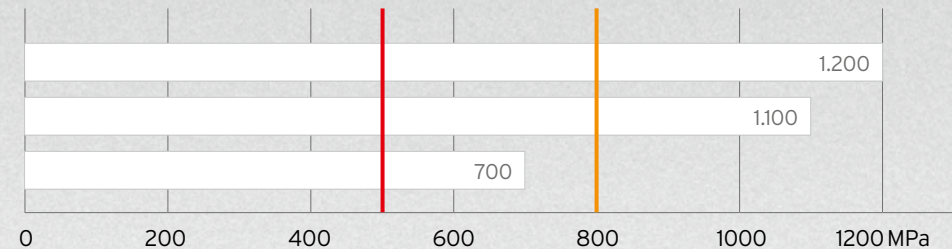
- Class 5 > 800 MPa according to DIN EN ISO 6872*
- Class 4 > 500 MPa according to DIN EN ISO 6872**

Source: Amann Girrbach R&D

* Minimum requirement for the fabrication of 4-unit to multi-unit bridges;

** Minimum requirement for the fabrication of 3-unit bridges

ceramill® zi
ceramill® zolid
ceramill® zolid fx

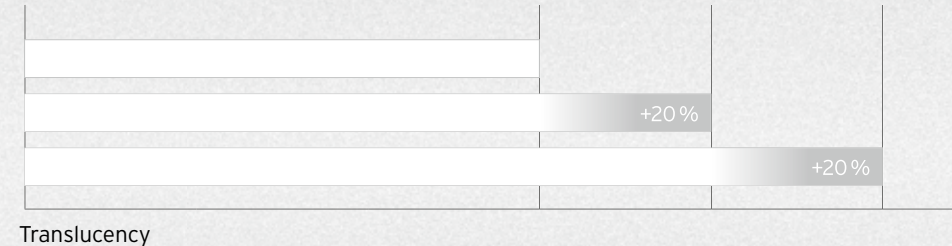


TRANSLUCENCY

The higher the translucency the more permeable
the material is to light (translucent).

Source: Amann Girrbach R&D

ceramill® zi
ceramill® zolid
ceramill® zolid fx



AGEING RESISTANCE

4-point bending strength [MPa] DIN EN ISO 6872.
Constant strength values after simulated mechanical
ageing (1.5 million cycles, 100 N). No ageing effects
could be determined with Ceramill Zirconia.

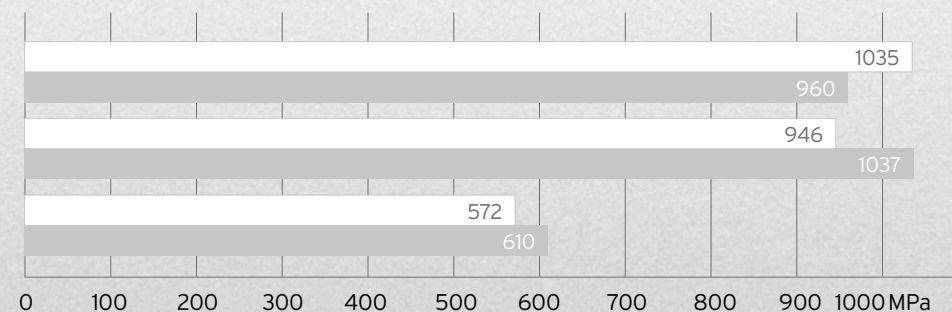
- Before mechanical ageing
- After mechanical ageing

Results / Source:

* LMU (Ludwig Maximilian University) Munich, Germany;

** Amann Girrbach R&D

ceramill® zi*
ceramill® zolid*
ceramill® zolid fx**



AESTHETIC AND PROCESS RELIABILITY WITHOUT COMPROMISE. THE DIGITAL SYSTEM SOLUTION FOR ZIRCONIA RESTORATIONS.

Amann Girrbach zirconia blanks are not individual products but are part of an integrated system in which materials, software and hardware components are exactly coordinated with one another. Their intimate integration results in a process-reliable workflow, which allows every laboratory to fabricate accurately fitting restorations that also meet all aesthetic requirements.

- _Accurately fitting restorations without grinding in thanks to meticulously coordinated system components**
- _Material-specific design and milling strategies for material-optimised processing**
- _Seamless integration of hardware and software enables efficient, reliable working processes**

MATERIAL

ceramill® zirconia

White, pre-stained zirconia for monolithic and reduced restorations.



ceramill® liquid

Colouring liquids for the immersion and brush techniques of white zirconia, and stains and glaze porcelains for aesthetic customisation.



PRODUCTION

ceramill® units

Indication and material specific milling strategies for accurately fitting restorations without reworking.



MATERIAL SELECTION

CAM/CNC PRODUCTION

FUNCTION

ceramill® transferkit

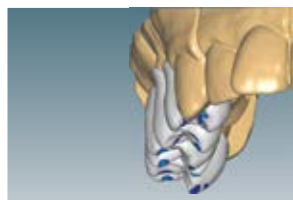
Digitalisation of the model situation without loss of function. Indispensable for a perfect occlusal design without high spots.



METHOD

DFP "Digital functional prosthetics"

Design strategy for fabricating interference-free restorations.



ceramill® mindforms

Ceramill Mind tooth library with aesthetic and functional base. Speeds up the design of Ceramill material restorations.





ACCURATE SHADES

Amann Girrbach provides tailored solutions for customising zirconia restorations with a wide range of colouring solutions and corresponding processing techniques. A diverse range of A-D liquids, shade modifiers and aids, e.g. Ceramill Liquid Eye and Ceramill Dimmer perfectly complement the portfolio. The "Fasthetix" and Aesthetix" staining concepts describe the two basic principles of the processing techniques via brush infiltration for Ceramill Zirconia before sintering. This creates aesthetic restorations with individual character independent of the technique used.



FASTHETIX

Efficiency and economy are gaining increasing importance in this day and age. Fasthetix allows users to fabricate aesthetic restorations with shade gradient from Ceramill Zirconia in a few seconds and using only one liquid set. The uncomplicated Fasthetix method is the perfect entry into the world of Ceramill Zirconia.



AESTHETIX

In addition to dentine liquids and special shade modifiers for customisation developed in-house for every Ceramill Zirconia, the "Aesthetix concept" offers sophisticated immersion and brush techniques. Versatile, yet clearly designed, "Aesthetix" enables every aesthetic requirement to be met. Highly aesthetic restorations are finally created that are virtually indistinguishable from natural teeth.



CERAMILL LIQUID STAINING CONCEPT



ceramill® liquid fx

COLOURING LIQUIDS FOR CERAMILL ZOLID FX WHITE

A feature of super-high translucent Ceramill Zolid FX zirconia is its particularly high permeability to light, which influences the shade effect of the restoration. These light-optical properties must be taken into consideration when selecting the colouring liquid. Ceramill Liquid FX was developed according to the material characteristics of Ceramill Zolid FX to ensure accurate staining according to the VITA classical shade guide. Additional shade modifiers are available for customising the incisal/occlusal surfaces and for the gingival region.



ceramill® liquid „new formula“

COLOURING LIQUIDS FOR CERAMILL ZOLID WHITE

A clearly designed set of colour solutions in 16 VITA classical tooth shades as well as shade modifiers for incisal/occlusal surfaces and gingival region is available for high translucent Ceramill Zolid zirconia. The colours can be applied directly to the restoration without mixing and optimise the workflow in terms of shade stability and efficiency. Coordinated Ceramill Liquids with processing and material parameters specially developed for Ceramill Zolid provide optimum aesthetics, customisation and economy.



ceramill® liquid cl

COLOURING LIQUIDS FOR CERAMILL ZI WHITE

With an opacity value of approx. 70% Ceramill ZI White is ideal for use as an anatomically reduced framework material, support structures or indications in which prepared teeth or metal structures must be masked. In contrast to monolithic restorations, which get their final aesthetic appearance solely by colouring and staining/glazing, staining of Ceramill ZI White frameworks is primarily intended to create an aesthetic base for the porcelain veneer. This is done perfectly using the compact Ceramill Liquid CL set and the 4 base shades and two Orange and Grey shade modifiers, included in the set.

CERAMILL LIQUID STAINING CONCEPT



FASTHETIX

QUICK STAINING TECHNIQUE FOR CERAMILL ZOLID FX WHITE AND CERAMILL ZOLID WHITE

Fasthetix produces highly aesthetic zirconia crowns in less than 20 seconds. The quick staining technique enables accurate results according to the VITA classical shade guide in seconds and is implemented using only a single set, Ceramill Liquid “new formula”. The immersion or colour technique can optionally be used for colour infiltration with Ceramill Liquid.



ceramill® liquid eye

CODE COLOURS FOR CERAMILL LIQUID

Ceramill Liquid Eye colour codes in the complimentary colours blue, yellow, green and red guarantee precise application of Ceramill Liquid dentine and shade modifiers.



ceramill® stain & glaze

STAINS AND GLAZE PORCELAINS FOR CERAMILL ZI, CERAMILL ZOLID AND CERAMILL ZOLID FX

Ceramill Stain & Glaze is a set comprising stains and glaze porcelain for the final aesthetic appearance. In addition to the standard dentine shades A-D for the body region, Ceramill Stain & Glaze contains shade modifiers for accentuating selected areas as well as pink colours for the gingival region. Monolithic restorations, in particular, gain in brilliance, light dynamics and depth effect by customising using Ceramill Stains and/or Ceramill Glaze.



Ceramill Zolid White

BECAUSE GOOD AESTHETICS IS NO COINCIDENCE.

RANGE OF COURSES FOR THE APPLICATION OF CERAMILL LIQUIDS AND CERAMILL STAIN & GLAZE

A product is only complete if one knows how to use it correctly. This is why Amann Girrbach provides a comprehensive information and training service for the application of Ceramill Liquid and Ceramill Stain&Glaze with which successful aesthetics are not left to chance. In combination with customised staining concepts didactically prepared print and online media as well as courses ensure the desired result from the outset.



INDICATION GUIDE

The indication guide, orientated to practical application, provides step-by-step guidance through the staining process of restorations from the typical range of Ceramill Zirconia indications and show with didactic care the correct application of colouring liquids and stains/glaze porcelains.



VIDEO TUTORIAL

Video tutorials, which are prepared in individual sequences, take you hands-on through the customisation process of selected Ceramill Zirconia indications. The use and application of Ceramill Liquid staining solutions in particular can be efficiently and reproducibly accessed in this way - to the very last brush stroke.



COURSES

Perfect aesthetics and accurate processing of material and staining solutions are the focus of Ceramill Zirconia courses. Theoretical background knowledge is combined with information and tips on the correct handling of Ceramill Zirconia according to the requirements of the practice.

ORDER INFORMATION

Ceramill Zolid FX Multilayer

761733	○ Ceramill Zolid FX ML O/A1 71 S	h = 14 mm	1 pc.
761734	○ Ceramill Zolid FX ML O/A1 71	h = 16 mm	1 pc.
761735	○ Ceramill Zolid FX ML O/A1 71 L	h = 20 mm	1 pc.
761737	○ Ceramill Zolid FX ML A2/A3 71 S	h = 14 mm	1 pc.
761738	○ Ceramill Zolid FX ML A2/A3 71	h = 16 mm	1 pc.
761739	○ Ceramill Zolid FX ML A2/A3 71 L	h = 20 mm	1 pc.
761741	○ Ceramill Zolid FX ML A3,5/A4 71 S	h = 14 mm	1 pc.
761742	○ Ceramill Zolid FX ML A3,5/A4 71	h = 16 mm	1 pc.
761743	○ Ceramill Zolid FX ML A3,5/A4 71 L	h = 20 mm	1 pc.
761745	○ Ceramill Zolid FX ML O/B1 71 S	h = 14 mm	1 pc.
761746	○ Ceramill Zolid FX ML O/B1 71	h = 16 mm	1 pc.
761747	○ Ceramill Zolid FX ML O/B1 71 L	h = 20 mm	1 pc.
761749	○ Ceramill Zolid FX ML B2/B3 71 S	h = 14 mm	1 pc.
761750	○ Ceramill Zolid FX ML B2/B3 71	h = 16 mm	1 pc.
761751	○ Ceramill Zolid FX ML B2/B3 71 L	h = 20 mm	1 pc.
761753	○ Ceramill Zolid FX ML B3/B4 71 S	h = 14 mm	1 pc.
761754	○ Ceramill Zolid FX ML B3/B4 71	h = 16 mm	1 pc.
761755	○ Ceramill Zolid FX ML B3/B4 71 L	h = 20 mm	1 pc.
761757	○ Ceramill Zolid FX ML C1/C2 71 S	h = 14 mm	1 pc.
761758	○ Ceramill Zolid FX ML C1/C2	h = 16 mm	1 pc.
761759	○ Ceramill Zolid FX ML C1/C2 71 L	h = 20 mm	1 pc.
761761	○ Ceramill Zolid FX ML C3/C4 71 S	h = 14 mm	1 pc.
761762	○ Ceramill Zolid FX ML C3/C4	h = 16 mm	1 pc.
761763	○ Ceramill Zolid FX ML C3/C4 71 L	h = 20 mm	1 pc.
761765	○ Ceramill Zolid FX ML D2/D3 71 S	h = 14 mm	1 pc.
761766	○ Ceramill Zolid FX ML D2/D3	h = 16 mm	1 pc.
761767	○ Ceramill Zolid FX ML D2/D3 71 L	h = 20 mm	1 pc.
761769	○ Ceramill Zolid FX ML D3/D4 71 S	h = 14 mm	1 pc.
761770	○ Ceramill Zolid FX ML D3/D4	h = 16 mm	1 pc.

761771	○ Ceramill Zolid FX ML D3/D4 71 L	h = 20 mm	1 pc.
761776	○ Ceramill Zolid FX ML O/A1 98x14 N	h = 14 mm	1 pc.
761777	○ Ceramill Zolid FX ML O/A1 98x16 N	h = 16 mm	1 pc.
761778	○ Ceramill Zolid FX ML O/A1 98x20 N	h = 20 mm	1 pc.
761780	○ Ceramill Zolid FX ML A2/A3 98x14 N	h = 14 mm	1 pc.
761781	○ Ceramill Zolid FX ML A2/A3 98x16 N	h = 16 mm	1 pc.
761782	○ Ceramill Zolid FX ML A2/A3 98x20 N	h = 20 mm	1 pc.
761784	○ Ceramill Zolid FX ML A3,5/A4 98x14 N	h = 14 mm	1 pc.
761785	○ Ceramill Zolid FX ML A3,5/A4 98x16 N	h = 16 mm	1 pc.
761786	○ Ceramill Zolid FX ML A3,5/A4 98x20 N	h = 20 mm	1 pc.
761788	○ Ceramill Zolid FX ML O/B1 98x14 N	h = 14 mm	1 pc.
761789	○ Ceramill Zolid FX ML O/B1 98x16 N	h = 16 mm	1 pc.
761790	○ Ceramill Zolid FX ML O/B1 98x20 N	h = 20 mm	1 pc.
761792	○ Ceramill Zolid FX ML B2/B3 98x14 N	h = 14 mm	1 pc.
761793	○ Ceramill Zolid FX ML B2/B3 98x16 N	h = 16 mm	1 pc.
761794	○ Ceramill Zolid FX ML B2/B3 98x20 N	h = 20 mm	1 pc.
761796	○ Ceramill Zolid FX ML B3/B4 98x14 N	h = 14 mm	1 pc.
761797	○ Ceramill Zolid FX ML B3/B4 98x16 N	h = 16 mm	1 pc.
761798	○ Ceramill Zolid FX ML B3/B4 98x20 N	h = 20 mm	1 pc.
761800	○ Ceramill Zolid FX ML C1/C2 98x14 N	h = 14 mm	1 pc.
761801	○ Ceramill Zolid FX ML C1/C2 98x16 N	h = 16 mm	1 pc.
761802	○ Ceramill Zolid FX ML C1/C2 98x20 N	h = 20 mm	1 pc.
761804	○ Ceramill Zolid FX ML C3/C4 98x14 N	h = 14 mm	1 pc.
761805	○ Ceramill Zolid FX ML C3/C4 98x16 N	h = 16 mm	1 pc.
761806	○ Ceramill Zolid FX ML C3/C4 98x20 N	h = 20 mm	1 pc.
761808	○ Ceramill Zolid FX ML D2/D3 98x14 N	h = 14 mm	1 pc.
761809	○ Ceramill Zolid FX ML D2/D3 98x16 N	h = 16 mm	1 pc.
761810	○ Ceramill Zolid FX ML D2/D3 98x20 N	h = 20 mm	1 pc.
761812	○ Ceramill Zolid FX ML D3/D4 98x14 N	h = 14 mm	1 pc.

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761813	○ Ceramill Zolid FX ML D3/D4 98x16 N	h = 16 mm	1 pc.
761814	○ Ceramill Zolid FX ML D3/D4 98x20 N	h = 20 mm	1 pc.

760030 Ceramill Zolid FX Multilayer 71 Starter kit

761734	△ Ceramill Zolid FX Multilayer O/A1 71	h = 16 mm	1 pc.
761738	△ Ceramill Zolid FX Multilayer A2/A3 71	h = 16 mm	1 pc.
761746	△ Ceramill Zolid FX Multilayer O/B1 71	h = 16 mm	1 pc.
761750	△ Ceramill Zolid FX Multilayer B2/B3 71	h = 16 mm	1 pc.
875509	Ceramill Polish - Dent Kit		
875500	Ceramill Polish - Lab Kit		

760031 Ceramill Zolid FX Multilayer 98 Starter kit

761777	Ceramill Zolid FX Multilayer O/A1 98x16 N		
761781	Ceramill Zolid FX Multilayer A2/A3 98x16 N		
761789	Ceramill Zolid FX Multilayer O/B1 98x16 N		
761793	Ceramill Zolid FX Multilayer B2/B3 98x16 N		
875509	Ceramill Polish - Dent Kit		
875500	Ceramill Polish - Lab Kit		

Ceramill Zolid FX Preshades

761501	△ Ceramill Zolid FX PS bleach 71 S	h = 14 mm	1 pc.
761502	△ Ceramill Zolid FX PS bleach 71	h = 16 mm	1 pc.
761504	△ Ceramill Zolid FX PS bleach 71 L	h = 20 mm	1 pc.
761506	△ Ceramill Zolid FX PS A light 71 S	h = 14 mm	1 pc.
761507	△ Ceramill Zolid FX PS A light 71	h = 16 mm	1 pc.
761509	△ Ceramill Zolid FX PS A light 71 L	h = 20 mm	1 pc.
761511	△ Ceramill Zolid FX PS A medium 71 S	h = 14 mm	1 pc.
761512	△ Ceramill Zolid FX PS A medium 71	h = 16 mm	1 pc.
761514	△ Ceramill Zolid FX PS A medium 71 L	h = 20 mm	1 pc.

761516	△ Ceramill Zolid FX PS B light 71 S	h = 14 mm	1 pc.
761517	△ Ceramill Zolid FX PS B light 71	h = 16 mm	1 pc.
761519	△ Ceramill Zolid FX PS B light 71 L	h = 20 mm	1 pc.
761526	△ Ceramill Zolid FX PS C light 71 S	h = 14 mm	1 pc.
761527	△ Ceramill Zolid FX PS C light 71	h = 16 mm	1 pc.
761529	△ Ceramill Zolid FX PS C light 71 L	h = 20 mm	1 pc.
761536	△ Ceramill Zolid FX PS D light 71 S	h = 14 mm	1 pc.
761537	△ Ceramill Zolid FX PS D light 71	h = 16 mm	1 pc.
761539	△ Ceramill Zolid FX PS D light 71 L	h = 20 mm	1 pc.
761551	○ Ceramill Zolid FX PS bleach 98x14 N	h = 14 mm	1 pc.
761552	○ Ceramill Zolid FX PS bleach 98x16 N	h = 16 mm	1 pc.
761554	○ Ceramill Zolid FX PS bleach 98x20 N	h = 20 mm	1 pc.
761556	○ Ceramill Zolid FX PS A light 98x14 N	h = 14 mm	1 pc.
761557	○ Ceramill Zolid FX PS A light 98x16 N	h = 16 mm	1 pc.
761559	○ Ceramill Zolid FX PS A light 98x20 N	h = 20 mm	1 pc.
761561	○ Ceramill Zolid FX PS A medium 98x14 N	h = 14 mm	1 pc.
761562	○ Ceramill Zolid FX PS A medium 98x16 N	h = 16 mm	1 pc.
761564	○ Ceramill Zolid FX PS A medium 98x20 N	h = 20 mm	1 pc.
761566	○ Ceramill Zolid FX PS B light 98x14 N	h = 14 mm	1 pc.
761567	○ Ceramill Zolid FX PS B light 98x16 N	h = 16 mm	1 pc.
761569	○ Ceramill Zolid FX PS B light 98x20 N	h = 20 mm	1 pc.
761576	○ Ceramill Zolid FX PS C light 98x14 N	h = 14 mm	1 pc.
761577	○ Ceramill Zolid FX PS C light 98x16 N	h = 16 mm	1 pc.
761579	○ Ceramill Zolid FX PS C light 98x20 N	h = 20 mm	1 pc.
761586	○ Ceramill Zolid FX PS D light 98x14 N	h = 14 mm	1 pc.
761587	○ Ceramill Zolid FX PS D light 98x16 N	h = 16 mm	1 pc.
761589	○ Ceramill Zolid FX PS D light 98x20 N	h = 20 mm	1 pc.

ORDER INFORMATION

Ceramill Zolid FX White

760122	⬡ Ceramill Zolid FX 71 XS	h = 12 mm	1 pc.
760123	⬡ Ceramill Zolid FX 71 S	h = 14 mm	1 pc.
760124	⬡ Ceramill Zolid FX 71	h = 16 mm	1 pc.
760125	⬡ Ceramill Zolid FX 71 M	h = 18 mm	1 pc.
760126	⬡ Ceramill Zolid FX 71 L	h = 20 mm	1 pc.
760127	⬡ Ceramill Zolid FX 71 XL	h = 25 mm	1 pc.
760130	○ Ceramill Zolid FX 98x12 N	h = 12 mm	1 pc.
760131	○ Ceramill Zolid FX 98x14 N	h = 14 mm	1 pc.
760132	○ Ceramill Zolid FX 98x16 N	h = 16 mm	1 pc.
760133	○ Ceramill Zolid FX 98x18 N	h = 18 mm	1 pc.
760134	○ Ceramill Zolid FX 98x20 N	h = 20 mm	1 pc.

761400 Ceramill Liquid FX (for Ceramill Zolid FX White)

	Contents: A1, A2, A3, A3.5, A4, B1, B2, B3, B4, C1, C2, C3, C4, D2, D3, D4, OR, GR, RO, GIN, VIO, BL, Ceramill Dimmer Liquid refill (thinner)		
761401	Ceramill Liquid FX A1		100 ml
761402	Ceramill Liquid FX A2		100 ml
761403	Ceramill Liquid FX A3		100 ml
761404	Ceramill Liquid FX A3.5		100 ml
761405	Ceramill Liquid FX A4		100 ml
761406	Ceramill Liquid FX B1		100 ml
761407	Ceramill Liquid FX B2		100 ml
761408	Ceramill Liquid FX B3		100 ml
761409	Ceramill Liquid FX B4		100 ml
761410	Ceramill Liquid FX C1		100 ml
761411	Ceramill Liquid FX C2		100 ml
761412	Ceramill Liquid FX C3		100 ml
761413	Ceramill Liquid FX C4		100 ml
761414	Ceramill Liquid FX D2		100 ml

761415	Ceramill Liquid FX D3	100 ml
761416	Ceramill Liquid FX D4	100 ml

Ceramill Liquid FX shade modifiers (for Ceramill Zolid FX White)

761417	Ceramill Liquid FX OR, orange	100 ml
761418	Ceramill Liquid FX GR, grey	100 ml
761419	Ceramill Liquid FX RO, rose	100 ml
761420	Ceramill Liquid FX GIN, gingiva	100 ml
761421	Ceramill Liquid FX VIO, violet	100 ml
761422	Ceramill Liquid FX BL, blue	100 ml














760022 Ceramill Zolid FX Starter kit

760123	Ceramill Zolid FX White 14 mm	4 pcs.
760124	Ceramill Zolid FX White 16 mm	4 pcs.
761400	Ceramill Liquid FX set	1 pc.
760480	Ceramill Liquid Eye	1 pc.














Ceramill Zolid Preshades

760337	⬡ Ceramill Zolid PS bleach 71 XS	h = 12 mm	1 pc.
760338	⬡ Ceramill Zolid PS bleach 71	h = 16 mm	1 pc.
760339	⬡ Ceramill Zolid PS bleach 71 L	h = 20 mm	1 pc.
760340	⬡ Ceramill Zolid PS B light 71 XS	h = 12 mm	1 pc.
760341	⬡ Ceramill Zolid PS B light 71	h = 16 mm	1 pc.
760342	⬡ Ceramill Zolid PS B light 71 L	h = 20 mm	1 pc.
760343	⬡ Ceramill Zolid PS A light 71 XS	h = 12 mm	1 pc.
760344	⬡ Ceramill Zolid PS A light 71	h = 16 mm	1 pc.
760345	⬡ Ceramill Zolid PS A light 71 L	h = 20 mm	1 pc.
760346	⬡ Ceramill Zolid PS A medium 71 XS	h = 12 mm	1 pc.
760347	⬡ Ceramill Zolid PS A medium 71	h = 16 mm	1 pc.

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760348	 Ceramill Zolid PS A medium 71 L	h = 20 mm	1 pc.
760255	 Ceramill Zolid PS bleach 98x12 N	h = 12 mm	1 pc.
760257	 Ceramill Zolid PS bleach 98x16 N	h = 16 mm	1 pc.
760259	 Ceramill Zolid PS bleach 98x20 N	h = 20 mm	1 pc.
760261	 Ceramill Zolid PS B light 98x12 N	h = 12 mm	1 pc.
760263	 Ceramill Zolid PS B light 98x16 N	h = 16 mm	1 pc.
760265	 Ceramill Zolid PS B light 98x20 N	h = 20 mm	1 pc.
760267	 Ceramill Zolid PS A light 98x12 N	h = 12 mm	1 pc.
760269	 Ceramill Zolid PS A light 98x16 N	h = 16 mm	1 pc.
760271	 Ceramill Zolid PS A light 98x20 N	h = 20 mm	1 pc.
760273	 Ceramill Zolid PS A medium 98x12 N	h = 12 mm	1 pc.
760275	 Ceramill Zolid PS A medium 98x16 N	h = 16 mm	1 pc.
760277	 Ceramill Zolid PS A medium 98x20 N	h = 20 mm	1 pc.

Ceramill Zolid White

760162	 Ceramill Zolid 71 XS	h = 12 mm	1 pc.
760163	 Ceramill Zolid 71 S	h = 14 mm	1 pc.
760164	 Ceramill Zolid 71	h = 16 mm	1 pc.
760165	 Ceramill Zolid 71 M	h = 18 mm	1 pc.
760166	 Ceramill Zolid 71 L	h = 20 mm	1 pc.
760167	 Ceramill Zolid 71 XL	h = 25 mm	1 pc.
760252	 Ceramill Zolid 98x10 N	h = 10 mm	1 pc.
760250	 Ceramill Zolid 98x12 N	h = 12 mm	1 pc.
760248	 Ceramill Zolid 98x14 N	h = 14 mm	1 pc.
760246	 Ceramill Zolid 98x16 N	h = 16 mm	1 pc.
760244	 Ceramill Zolid 98x18 N	h = 18 mm	1 pc.
760242	 Ceramill Zolid 98x20 N	h = 20 mm	1 pc.
760240	 Ceramill Zolid 98x25 N	h = 25 mm	1 pc.

760469 Ceramill Liquid „new formula“ (colouring solutions for Ceramill Zolid White)

Contents: A2, A3, A3.5, B3, OR, GR, RO, VIO, Ceramill Dimmer Liquid small, Ceramill Liquid brush, size 1, Ceramill Liquid brush, size 3, plastic tweezers, eight colour tubs, timer)		
760430	Ceramill Liquid A1	100 ml
760432	Ceramill Liquid A2	100 ml
760433	Ceramill Liquid A3	100 ml
760434	Ceramill Liquid A3.5	100 ml
760435	Ceramill Liquid A4	100 ml
760436	Ceramill Liquid B1	100 ml
760437	Ceramill Liquid B2	100 ml
760438	Ceramill Liquid B3	100 ml
760439	Ceramill Liquid B4	100 ml
760440	Ceramill Liquid C1	100 ml
760442	Ceramill Liquid C2	100 ml
760443	Ceramill Liquid C3	100 ml
760444	Ceramill Liquid C4	100 ml
760445	Ceramill Liquid D2	100 ml
760446	Ceramill Liquid D3	100 ml
760447	Ceramill Liquid D4	100 ml

Ceramill Liquid shade modifiers

760488	Ceramill Liquid OR, shade modifier orange, new formula	100 ml
760489	Ceramill Liquid GR, shade modifier grey, new formula	100 ml
760485	Ceramill Liquid RO, shade modifier rose, new formula	100 ml
760486	Ceramill Liquid GIN, shade modifier gingiva, new formula	100 ml
760487	Ceramill Liquid VIO, shade modifier violet, new formula	100 ml

ORDER INFORMATION

761397 Fasthetix Liquid Starter Essential

(for Ceramill Zolid FX White and Ceramill Zolid White)

Contents: A1, A2, A3, A3.5, B1, B2, C2, D3, Ceramill Dimmer Liquid small, Ceramill Liquid Eye blue, Ceramill Liquid, brush size 1, Ceramill Liquid brush, size 3, plastic tweezers, timer

761398 Fasthetix Liquid Starter

(for Ceramill Zolid FX White and Ceramill Zolid White)

Contents: 16 A-D Liquids, Ceramill Dimmer Liquid Small, Ceramill Liquid Eye blue, Ceramill Liquid brush, size 1, Ceramill Liquid brush, size 3, plastic tweezers, eight colour tubs, timer

Ceramill ZI White

760172	○ Ceramill ZI 71 XS	h = 12 mm	1 pc.
760173	○ Ceramill ZI 71 S	h = 14 mm	1 pc.
760174	○ Ceramill ZI 71	h = 16 mm	1 pc.
760176	○ Ceramill ZI 71 M	h = 18 mm	1 pc.
760184	○ Ceramill ZI 71 L	h = 20 mm	1 pc.
760175	○ Ceramill ZI 71 XL	h = 25 mm	1 pc.
760221	○ Ceramill ZI CAM 98x14 N	h = 14 mm	1 pc.
760223	○ Ceramill ZI CAM 98x16 N	h = 16 mm	1 pc.
760225	○ Ceramill ZI CAM 98x18 N	h = 18 mm	1 pc.
760227	○ Ceramill ZI CAM 98x20 N	h = 20 mm	1 pc.
760229	○ Ceramill ZI CAM 98x25 N	h = 25 mm	1 pc.

Ceramill Liquid (for Ceramill ZI White)

760471	Ceramill Liquid CL1
760472	Ceramill Liquid CL2
760473	Ceramill Liquid CL3
760474	Ceramill Liquid CL4
760476	Ceramill Liquid CL OR
760477	Ceramill Liquid CL GR

Ceramill Liquid accessories

760449	Ceramill Dimmer Liquid refill, thinner	250 ml
760450	Ceramill Liquid colour tub	10 pcs.
760480	Ceramill Liquid Eye complete set	4 x 25 ml
760478	Ceramill Liquid brush, size 1	4 pcs.
760479	Ceramill Liquid brush, size 3	4 pcs.

760349 Ceramill Stain & Glaze Kit update (19-teilig)

760351	Ceramill Stain yellow	4 g
760352	Ceramill Stain orange	4 g
760353	Ceramill Stain blue	4 g
760354	Ceramill Stain grey	4 g
760355	Ceramill Stain white	4 g
760369	Ceramill Stain violett	4 g
760363	Ceramill Stain red	4 g
760364	Ceramill Stain gingiva	4 g
760365	Ceramill Stain brown	4 g
760366	Ceramill Stain eggshell	4 g
760367	Ceramill Stain bleach	4 g
760368	Ceramill Stain dark brown	4 g
760356	Ceramill Stain A	4 g
760357	Ceramill Stain B	4 g
760358	Ceramill Stain C	4 g
760359	Ceramill Stain D	4 g
760360	Ceramill Glaze (glaze porcelain)	4 g
760361	Ceramill Stain & Glaze Working Liquid	25 ml
760362	Ceramill Stain & Glaze Reflow Liquid	8 ml





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