

# Order now!

Product	Item	Item number	Package size	Max. number of applications	Price	Price per application	Number
zirconnect	zirconect spray	10032	50 ml	90	245,00€	2,72€	
zircon	zircon	10104	3 g	33	99,00€	3,00€	
zircon	zircon	10004	10 g	100	295,00€	2,95€	
zircon	zircon liquid	10007	20 ml	100	35,00€	0,35€	
fusio	fusio 12	12134	3 g	33	99,00€	3,00€	
fusio	fusio 12	10134	10 g	120	198,00€	1,65€	
fusio	fusio liquid	10234	20 ml	100	19,00€	0,19€	
fusio	fusio connect spray	10035	50 ml	90	175,00€	1,95€	

You can find further information at +49 381 – 203 55 88 or info@dcm-hotbond.com

All items are also available online

Fill in the following form in capital letters!

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Our terms and conditions apply. Net prices, VAT and postage not included. You can find our General Terms and Conditions at www.dcm-hotbond.com



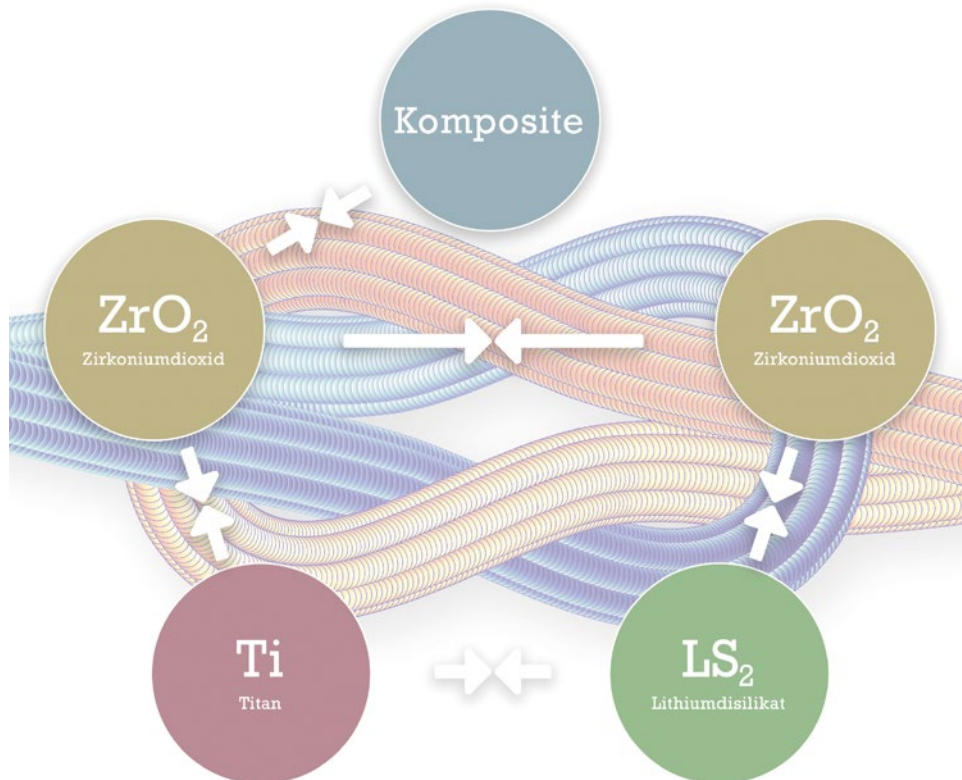
# STILL STICKING

*or finally hotbonding?*





# We bond systems!

Our DCMhotbond products bond materials such as ceramics and titanium into a novel ceramic implant system by a substance-to-substance bond using a firing process.

- permanent bonding of ceramic material combinations
- combines homogenous, similar and atypical materials with each other
- High-tech soldering of  $ZrO_2$  / "passive-fit method"
- enables segmentation of multi-unit bridges to ensure tension freedom
- suitable for all existing milling systems
- the solution between computer-assisted fabricated restorations
- the optimal „in-house“ solution
- creativity and added value remain in the dental lab
- globally unique



# We know what counts.

	<p><b>DCMhotbond</b> zirconnect</p> <p>creates the perfect surface with a <b>diffused</b> glass matrix</p> <p><b>for bonding of:</b> Ceramic veneers   Composite veneers   Cold polymers and their combinations</p> <p><b>for mounting of:</b> Maryland bridges   Retainers   All-ceramic crowns and bridges and their combinations</p>	$ZrO_2$
	<p><b>DCMhotbond</b> fusio</p> <p>bonds similar materials</p>	$ZrO_2 \rightarrow \leftarrow LS_2$
	<p><b>DCMhotbond + DCMhotbond</b> fusio connect spray fusio</p> <p>bonds atypical materials</p>	$Ti \rightarrow \leftarrow \begin{matrix} LS_2 \\ ZrO_2 \end{matrix}$
	<p><b>DCMhotbond</b> zircon</p> <p>bonds homogeneous materials such as <math>ZrO_2</math> bridge segments   <math>ZrO_2</math> passive-fit elements</p>	$ZrO_2 \rightarrow \leftarrow ZrO_2$



## Research

An Indian proverb says: "Only the ones who dare to set off shall discover new lands". We have been researching for you. The results are the new, trend-setting applications for the aesthetic tooth restoration and dental implantology.



## Revolutionary

"Soldering ceramics? The idea which would have made one fail in the first final in med school just a few years ago (...) can be justifiably referred to as „revolution“, according to the undivided expert opinion of the Top Ten Novelties Committee 2009 of the Dental Implantology editorial office.



## New technologies

With the DCMhotbond technology - the system for creating a unique patented zirconium dioxide surface and the process for soldering zirconium oxide with zirconium oxide, titanium with zirconium oxide, titanium with lithium disilicate as well as zirconium oxide with lithium disilicate - a possibility has been created making the unreliable „sticking“ of dental components redundant.

DCM hotbond  
zirconnect



... creates the perfect surface with a **diffused** glass matrix.

DCMhotbond zirconnect, basis for the perfect zirconiumdioxide (ZrO<sub>2</sub>)-compound surfaces - with only one firing process.

DCMhotbond zirconnect is especially indicated for connections with a high exposure.

**For bonding of:**

- Ceramic veneers
- Composite veneers
- Cold polymers
- and their combinations

**For mounting of:**

- Maryland bridges
- Retainers
- full ceramic crowns and bridges
- and their combinations

ZrO<sub>2</sub>

DCM hotbond  
fusio



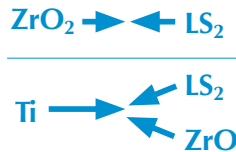
... combines homogenous, **similar** and **atypical** materials with each other.

DCMhotbond fusio System bonds similar and atypical materials – with only one firing process.

The DCMhotbond fusio System can be used create to create substance-to-substance-compound possibilities.

**For the perfect bonding of:**

- anatomical ceramic secondary parts with the primary constructs of crowns and bridges
- ceramic mesostructures on metallic abutments (hybrid abutments)



# DCM hotbond zircon



## ...bonds homogeneous materials.

DCMhotbond zircon combines homogeneous materials such as  $ZrO_2$  passive fit elements /  $ZrO_2$  bridge segments in one firing process.



### For bonding of:

- Zirconiumdioxide ( $ZrO_2$ )-scaffolds
- individual preparation of fully ceramic implant abutments
- substance-to-substance bonding of bridges or segments



## DCM hotbond at a glance.

### DCMhotbond zirconnect



#### Firing process protocol

Start temperature	450°C
Dry	2 min.
Burn	1.000°C
Acceleration rate	60°C/min
Hold	1 min
Vacuum at	450°C
Vacuum till	1.000°C

### DCMhotbond fusio



#### Firing process protocol

Start temperature	450°C
Dry	6 min.
Burn	800°C
Acceleration rate	55°C/min
Hold	1 min
Vacuum at	450°C
Vacuum till	800°C

### DCMhotbond zircon



#### Firing process protocol

Start temperature	450°C
Dry	mind. 30 min.
Burn	1.000°C
Acceleration rate	30°C/min
Hold	3 min
Vacuum at	450°C
Vacuum till	1.000°C

All dental/technical and medical technologies as well as scientific research are backed by patents. ZM company projects are supported by the federal and state governments.

