



Thirty-one shades in your hand

**DeguDent**  
A Dentsply International Company



Twenty-eight additional dentine nuances – a good bit closer to nature.

extreme™ is DeguDent's new dentine shade concept. It offers a greater variety of dentine shades and increases the number of good matches during visual and digital shade matching.



☞0124 In addition to extra dentine shades, extreme also includes other building blocks for visual shade matching. The system consists of four components – the shade concept itself, new indicators for visual shade matching, a two-page shade matching chart and the ceramic materials required for the reproduction.

Moreover, the extreme shade concept is firmly integrated into the world of digital shade matching. The additional 28 dentine shades are all standard shades that have been programmed into DeguDent's ShadePilot shade measuring device.

A double-benefit shade concept!



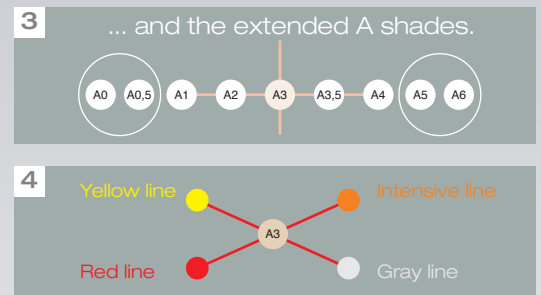
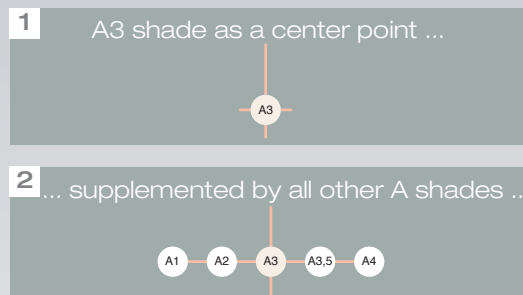
extreme at a glance:

- 28 additional dentine shades
- Simple shade matching and a better shade fit
- Closely linked to the Kiss veneering ceramics
- Integrated into the Shadepilot shade measuring device

# THE CONCEPT

The extreme concept is based on the practical experience and numerous patient cases of CMDT Jürgen Braunwarth, additionally supported by the results of scientific research. From a practical point of view, the center of the extreme concept has been the shade corresponding to V-classic A3, which is most frequently found in nature.

And this is the extreme concept at a glance:



The A3 shade is the center (Fig. 1) of the entire shade concept. Based on this, two shades each have been added at both ends of the line of A shades (A1–A4; Fig. 2): on one hand E0 and E0.5 in the region of the very bright shades (bleaching shades) and on the other hand E5 and E6 on the high-chroma side (Fig. 3).

Also based on practical experience, all shades (A und E) can be shifted in four directions – toward the more highly chromatic (intensive), yellow, red and gray (Fig. 4). In this way, the shade concept follows the intuitive sequence of visual shade matching.

From a scientific point of view, the primary advantage of the new extreme shade concept is that the shades are more evenly distributed throughout the color space. This means that the dentine nuances of the natural tooth are statistically closer to the extreme shades. Due to that the gaps of present classical shade concepts will be closed .

In addition, the translucency of the extreme materials has been adjusted to match the existing dentines. This has the advantage that – as opposed to the use of modifiers – the translucency does not change when two materials are mixed.

## Four-step shade selection:

1. Start out with the A3 shade
2. Find the best match between E0 and E6, central line
3. Find the spot shade (red, yellow, intensive, gray)
4. Find the best match within the spot line

The use of modifiers can be reduced when working with extreme: fewer of the more complex dental shades must be created with the help of modifiers since they already exist in the dentines.

Simple and safe!

# INDICATION

extreme is as well suited for individual patient cases as for daily lab practice. The name says it all: the extension of the color space lets you treat different patient cases far beyond the limits of A1 or A4.

Your everyday practice will quickly show that it has now become much easier to take the patient's tooth shade.

extreme is a shade matching tool specifically – but not exclusively – for the dental lab. This is why the individual shade tabs consist of pure dentines, with no distracting incisal or cervical aspects, giving the maximum amount of safety when comparing the natural tooth with the shade tabs.



The extreme shade indicator:

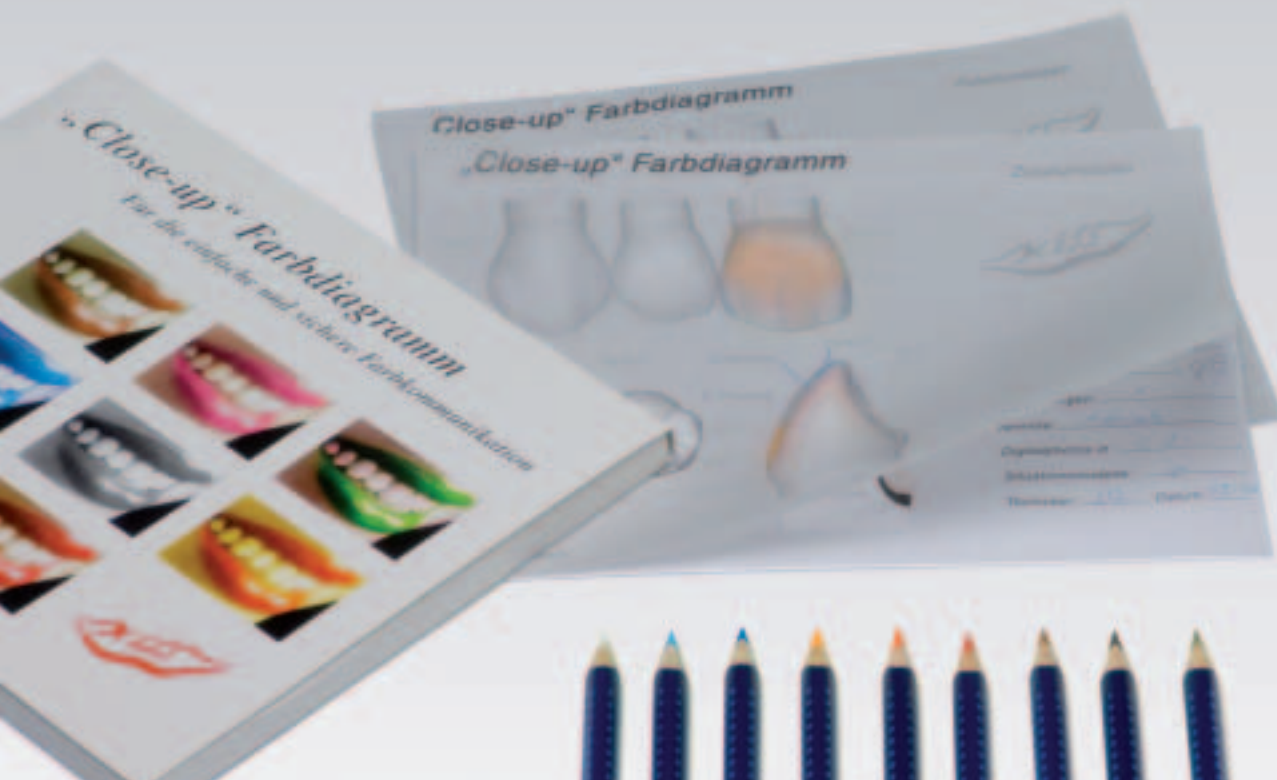
- Wedge-shaped, tapered tabs
- Angled tab necks for an ideal position of the tab relative to the tooth.
- Optimized handling thanks to the ergonomic shape of the indicator
- Easy transfer and removal thanks to clip-fastened tab spines.
- Faster disinfection and sterilization thanks to autoclavable tab rods

# COMMUNICATION

The communication and documentation of tooth shades carry an enormous failure potential. This is why the extreme concept includes the “Close-up” shade-matching charts (according to CMDT Jürgen Braunwarth), which is an ideal tool for solving this problem.

They are characterized by two-page shade matching charts. In a first step, the cervical, dentine, and mamelon shades are drawn on the lower, white sheet. In the second step, the incisal and opalescence information is transferred to the upper, transparent sheet.

This simple and logical procedure allows a three-dimensional documentation of the tooth shade, which can be communicated with equal ease.



Tips for visual shade matching:

- Perform any shade matching before preparing the teeth, because the teeth will become dehydrated, resulting in incorrect shade readings.
- Perform shade matching under constant daylight conditions (color temperature 5500 K or above).
- Cover or remove distracting colors in the environment (clothes, furniture, walls, curtains, etc.).
- Do not blur the distinction between chroma (dentine) and value (incisal).



# REPRODUCTION

The best concepts are worth nothing if they cannot be implemented, for whatever reason. With extreme, the circle is complete.

Six additional powders within the Kiss ceramic concept let you easily reproduce the shade. The small supplementary set includes two additional basic dentine shades (E0 and E6 plus their appropriate opaques) and four mixed dentine shades (spots) for custom control of the basic dentine shade (intensive, yellow, red, gray).

extreme shade combination table for opaques, dentines, and incisals

Shade	Spot				Central line						Intensive line					
	I	R	Y	G	E0	E0.5	A1	A3	A4	E5	E6	I-E0	I-A1	I-A3	I-A4	I-E6
<b>Opaque</b>	<b>A3</b>	<b>A3</b>	<b>A3</b>	<b>A3</b>	<b>E0</b>	<b>A1</b>	<b>A1</b>	<b>A3</b>	<b>A4</b>	<b>A4</b>	<b>E6</b>	<b>A1</b>	<b>A2</b>	<b>A3</b>	<b>A3,5</b>	<b>A4</b>
<b>Dentine*</b>	I	R	Y	G	E0	E0:A1	A1	A3	A4	E6:A4	E6	I:E0	I:A1	I:A3	I:A4	I:E6
<b>Incisal</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>5</b>

Shade	Red line					Yellow line					Gray line				
	R-E0	R-A1	R-A3	R-A4	R-E6	Y-E0	Y-A1	Y-A3	Y-A4	Y-E6	G-E0	G-A1	G-A3	G-A4	G-E6
<b>Opaque</b>	<b>A1</b>	<b>A2</b>	<b>A3</b>	<b>A3,5</b>	<b>A4</b>	<b>A1</b>	<b>A2</b>	<b>A3</b>	<b>A3,5</b>	<b>A4</b>	<b>A1</b>	<b>A2</b>	<b>A3</b>	<b>A3,5</b>	<b>A4</b>
<b>Dentine*</b>	R:E0	R:A1	R:A3	R:A4	R:E6	Y:E0	Y:A1	Y:A3	Y:A4	Y:E6	G:E0	G:A1	G:A3	G:A4	G:E6
<b>Incisal</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>5</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>5</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>5</b>

\* All dentines are based on the standard Kiss 1:1 mixing ratio.



General instructions on processing extreme veneering ceramics:

- extreme veneering ceramics can be used as a replacement for or mixed with the opaques or dentines of the respective Kiss line of veneering ceramics. To complete the buildup, the Kiss line of veneering ceramics (Cercon® ceram kiss, Duceragold® Kiss, Duceram® Kiss or Duceratin® Kiss) must also be used.
- extreme veneering ceramics are fired at the same temperatures as the classic opaques or dentines.
- For firing recommendations, please refer to the extensive Instructions for Use of the respective Kiss line of veneering ceramics. Follow the recommendations for the framework material used.



For more information or for ordering, please visit:  
[www.kiss-keramik.de](http://www.kiss-keramik.de) or [www.shadepilot.de](http://www.shadepilot.de)

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