AESTHETIC. “Perfect long term aesthetics”.

SIMPLE and AESTHETIC restorations with Ceram·X®...
... placed by professionals

“Perfect long term aesthetics”

Simple
Only 7 shades cover full VITA® range
Natural
Low monomer release
Aesthetic
“Perfect long term aesthetics”

Technical Data Sheet

<table>
<thead>
<tr>
<th>Property</th>
<th>Unit</th>
<th>ISO 4049</th>
<th>Ceram·X®</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compressive strength</td>
<td>MPa</td>
<td>&gt; 80</td>
<td>&gt; 80</td>
</tr>
<tr>
<td>Flexural strength</td>
<td>MPa</td>
<td>&gt; 150</td>
<td>&gt; 150</td>
</tr>
<tr>
<td>Young’s modulus</td>
<td>GPa</td>
<td>&gt; 9</td>
<td>&gt; 9</td>
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<tr>
<td>Vickers hardness (VH5/30s)</td>
<td></td>
<td>60</td>
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<tr>
<td>Flexural modulus</td>
<td>GPa</td>
<td>35</td>
<td>35</td>
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<tr>
<td>Water solubility</td>
<td>µg/mm³</td>
<td>&lt; 7.5</td>
<td>&lt; 7.5</td>
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<tr>
<td>Water sorption</td>
<td>µg/mm³</td>
<td>&lt; 40</td>
<td>14</td>
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<tr>
<td>Curing time 2 mm</td>
<td>2 mm</td>
<td>40 s</td>
<td>40 s</td>
</tr>
</tbody>
</table>

Material used: Ceram·X® duo+
Cavity size: large
Aesthetic expectations: high
Visible when smiling: completely

Material used: Ceram·X® mono+
Cavity size: medium
Aesthetic expectations: high
Visible when smiling: completely

Material used: Ceram·X® duo+
Cavity size: small
Aesthetic expectations: medium
Visible when smiling: no

“Even after 9 years the present Ceram·X® duo restoration appears in perfect clinical condition.”
Prof. Dr. Klaiber, University of Würzburg: Aesthetic.

Package Information

Ceram·X® packaging information

Ceram·X® duo+
Ceram·X® mono+
Ceram·X® duo+

“Perfect long term aesthetics”

PD Dr. Didier Dietschi, Geneva

Prime&Bond® NT
4 Syringes* - 3 g (shades M1, M2, M5, M6) and 1 4.5ml bottle of Accessories
Ceram·X® mono+ Compact Kit (Syringes)
7 Syringes* - 3 g (shades M1, M2, M3, M4, M5, M6, M7) Accessories
Ceram·X® duo+ Starter Kit (Compules® Tips)
40 Compules® Tips - 0.25 g (7x shade D2, D3, E3, E2, D1, D4, DB, E1)
Ceram·X® duo+ Starter Kit (Syringes*)
7 Syringes* - 3 g (shades M1, M2, M3, M4, M5, M6, M7) Accessories
Ceram·X® mono+ Starter Kit (Syringes*)
3x shades D1, D4, DB, E1, Accessories
Ceram·X® mono+ Starter Kit (Compules® Tips)
40 Compules® Tips - 0.25 g (7x shade D2, D3, E3, E2, D1, D4, DB, E1) Accessories
Ceram·X® mono+ Starter Kit (Compules® Tips)
40 Compules® Tips - 0.25 g (8x shades mono M2, M5, M6; 4x mono M1, M3, M4, M7), Accessories
Ceram·X® mono+ Starter Kit (Syringes*)
7 Syringes* - 3 g (shades M1, M2, M3, M4, M5, M6, M7) and 1 4.5ml bottle of Accessories
Ceram·X® Refills
7 Syringes* - 3 g (shades D1, D2, D3, D4, E1, E2, E3) Accessories

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“Ceram·X® duo has a great and truly natural shade system.”
Prof. Dr. Didier Dietschi, Geneva
Choosing the right Ceram-X® mono+ shade

All shades are identified on the iShade label with reference to the corresponding VITA® shades. Stick the iShade label on the rear of your VITA® shade guide. From VITA® to Ceram·X® mono+

Shade Guide

For a more accurate shade selection, the Ceram-X® starter kit includes a shade guide made of the original Ceram-X® material.

Nano-ceramic effect: Low monomer leakage of Ceram-X®

Ceram·X® duo+ offers 2 translucency levels, high-opacity enamel and a high-opacity dentin. The dentin and enamel shades of Ceram·X duo+ represent a linear increase in chroma, reproducing the shades of natural teeth better than other systems.

There is also a Dentin Bleach (DB) shade, which is very clear and opaque and is indicated for the restoration of bleached teeth.

Nano-ceramic technology of Ceram-X®

Conventional Hybrid Composite

Ceram-X® Technology

Original shade

Transformed shade

Dentin (M1 to M7), regrouping the sixteen shades of the VITA® shade guide based on similarities in lightness and chroma.

Ingenious simple shading system – only 7 shades

• Quick and easy color selection
• Reduced costs due to less inventory
• Ideal capping composite after IPS Empress.

Simple-translucency system

Extremely easy to use. Ceram-X® mono+ comprises just seven shades with an intermediate translucency between that of enamel and dentin (M1 to M7), representing the sixteen shades of the VITA® shade guide based on similarities in lightness and chroma.

Recommended for all posterior restorations and for dentists who prefer a simple and efficient technique.

Ceram·X® duo+ and the concept of natural aesthetics

Ceram·X® duo+ replicates the translucency and chroma of the natural tooth anatomy. It faithfully reproduces the characteristics of the teeth of younger, adult and older teeth. The system combines just four dentin shades with a high opacity and chroma with three enamel shades providing a translucency similar to that of natural dentin.

Ceram·X® duo+ is the material of choice in cases where the aesthetic result is of paramount importance (e.g. in class IV restorations).

Especially recommended for all types of anterior restorations without sacrificing ease of use.

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Conventional Hybrid Composite

Ceram-X® Technology

Optical difference between enamel & dentin

Chroma

C* (CIE)

L* (CIE)

a* (CIE)

b* (CIE)

Dentin

Enamel

Dentin

Enamel

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