SYNERGY® D6
beauty made simple

SYNERGY D6 FOR
THE EASY AND AESTHETIC
APPLICATION

The SYNERGY® D6 universal composite is completely focused on simplifying filling therapy without neglecting the aesthetic aspects. The simple assortment of SYNERGY® D6 offers only 7 dentin shades and 2 enamel shades. Thanks to the excellent optical self-blending properties of the Duo Shade System, a wide spectrum of tooth shades can be easily managed. Every Duo Shade component contains 2 Vita™ shades (e.g. A1/B1 or A2/B2). Two translucent enamel shades are ideal and indicated as an enamel replacement using the double-layering technique, or for optimising the natural aesthetics.

Not sticky and good sculptability!
SYNERGY® D6 is convincingly seen as a highly modern filling material: This non sticky and sculptable material enables simplistic contouring and contact point formation. High resistance to the operatory light, low shrinkage and fast polishability are desired parameters to meet the needs of the practitioner.

TESTIMONIALS

„At least in the US, Synergy D6 may be dentistry’s best kept secret. Having put this nano-hybrid to the test for the last few years I’ve come to depend upon its „dependability“. It handles beautifully, seamlessly blends into its surrounding tooth structure and manages not to be a „shrinking violet“ upon curing; rarely a white line to be seen! While the complete kit contains six „duo“ dentin shades and two enamel shades, 95% of the shade spectrum that one encounters is covered with ease. Did I mention that Synergy D6 polishes to a fine luster with the majority of house-old composite polishing tools? This composite is deserving of your consideration!“
Martin B. Goldstein DMD; USA

* Vita™ is not a trademark of Coltene/Whaledent
The Synergy D6 formula allows you to place your restorations with ease. Its non-sticky, non-slumping consistency retains the sculpted, anatomical contours until light-cured.

IDEAL HANDLING PROPERTIES

The Synergy D6 formula allows you to place your restorations with ease. Its non-sticky, non-slumping consistency retains the sculpted, anatomical contours until light-cured.

Non-slumping: Equal amounts and thicknesses of composite were embossed onto a 37 °C/98 °F warming plate using a grid pattern. Photographs taken after 1 minute showed that slumping may occur, which may require additional contouring, increased chairtime and poor contacts.

Fluorescence: Synergy D6 has incorporated a fluorescent agent, which emits visible light upon exposure to UV-light to reproduce a natural brilliance and vitality under a variety of light conditions.

Synergy D6's non-slumping formula maintains its sculpted contours under mouth temperature until light-cured.

Synergy D6 shade guide features a unique “nesting” shade selection option when performing restorations using the layering technique.

All Synergy D6 shade tabs are manufactured from actual Synergy D6 composite. The shade match is therefore guaranteed with the final restoration. For restorations with darker teeth, the new shade A4/C4 is available (not included in the shade guide).

Synergy D6 Restauration

IDEAL HANDLING PROPERTIES

The Synergy D6 formula allows you to place your restorations with ease. Its non-sticky, non-slumping consistency retains the sculpted, anatomical contours until light-cured.

Physical Properties Synergy D6

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flexural Modulus</td>
<td>9000 MPa</td>
</tr>
<tr>
<td>Flexural Strength</td>
<td>127 MPa</td>
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<tr>
<td>Water Sorption</td>
<td>16 μg/mm³</td>
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<tr>
<td>Water Solubility</td>
<td>0.9 μg/mm³</td>
</tr>
<tr>
<td>Radiopacity</td>
<td>2 mm Al</td>
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<tr>
<td>Vickers Hardness</td>
<td>73 kg/mm²</td>
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<tr>
<td>Volumetric Shrinkage</td>
<td>2.1%</td>
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<tr>
<td>Compressive Strength</td>
<td>392 MPa</td>
</tr>
<tr>
<td>Smallest Filler Particle Size</td>
<td>20 nm</td>
</tr>
<tr>
<td>Average Filler Particle Size</td>
<td>0.6 μm</td>
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<tr>
<td>Filler Content by Weight</td>
<td>80%</td>
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<tr>
<td>Filler Content by Volume</td>
<td>65%</td>
</tr>
<tr>
<td>Density</td>
<td>2.0 g/cm³</td>
</tr>
</tbody>
</table>

Source: internal documentation
The new Synergy D6 Flow from Coltène/Whaledent is a nanofilled, radiopaque flowable composite, based on the clinically-proven and successful technology from Synergy D6 Composite. In order to meet the highest standards possible, Synergy D6 Flow was developed to improve its radiopacity and reduce shrinkage.

**The new Synergy D6 Flow provides optimal flow properties.** The material is stable, yet flows gently under pressure to ensure easy handling and precision application.

**Shade adjustment:** Like Synergy D6, Synergy D6 Flow is based on the Duo Shade System, allowing for easy and fast application. Esthetic results are guaranteed due to its excellent blend-in properties with natural dentition.
Synergy D6 self-blending Duo Shades were created by grouping Vita™ shades with a similar hue (color), chroma (intensity) and value (lightness/darkness). These Duo Shades were then fine-tuned to enhance the translucency (depth) and chroma.

For example: Synergy D6 Dentin A2/B2 self-blends with natural dentition whose shading properties fall within the A2 and B2 color spectrums. The result is a self-blending composite that simplifies shade selection. And in most cases, one Synergy D6 duo shade will produce esthetic and undetectable restorations.

Optional: the layering technique using the two Enamel Shades (Universal and White Opalescent) can be performed.
One Coat 7.0 is a 7th generation, self-etching, light-cured single component adhesive that optimally compliments Synergy D6.

7047 One Coat 7.0 Intro Kit
One Coat 7.0 - 1 × 5 ml
Microbrush black - 50 pcs
Mixing well - 1 pc
Cover, mixing well - 1 pc

7049 One Coat 7.0 Refill
One Coat 7.0 - 1 × 5 ml

SYNERGY D6 Accessories
8410 Shade Guide Synergy D6
6671 Composite Dispenser

SYNERGY D6 Flow
7650 SYNERGY D6 Flow Intro Kit
Contents: 4 Syringes (2.3 g / 1.25 ml)
SYNERGY D6 Flow
Application needles, 32 pcs

SYNERGY D6 Flow Refills
Contents: 1 Refill (2.3 g / 1.25 ml)
7651 Dentin A1/B1
7652 Dentin A2/B2
7654 Dentin A3.5/B3
7653 Dentin A3/D3
7655 Dentin A3/D3
7656 Dentin WB
7657 Enamel Universal

8469 Application needles, bent, 20 pcs
8454 Synergy Flow Super White, 1 × 2.3g