Ceram.x Spectra™ ST
Universal Composite Restorative

Excellent adaptation and sculptability

Ceram.x Spectra™ ST

Ceram.x Spectra ST is a universal composite for all cavity classes in the anterior and posterior region. Thanks to a patented filler technology containing granulated spherical fillers in combination with an optimized resin matrix system results in preferred handling properties:

- Adapts easily to cavity surfaces
- Doesn't stick to hand instruments
- Easy to sculpt
- Slump resistant

Ceram.x Spectra™ ST

Rely on Ceram.x Spectra ST composite system that covers most handling preferences, esthetic needs, reliable strength and ease of use.

Optimized handling in two viscosities, HV (High viscosity) and LV (Low viscosity)

Enhanced chameleon blending ability

Ceram.x Spectra™ ST composite | Competitor composite
After 24-Hour Stain Test
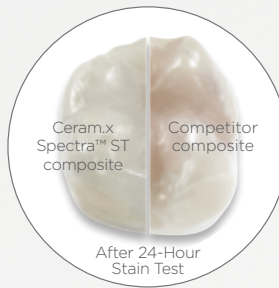
High strength and stain resistance

Fast and easy polishing for outstanding gloss

SphereTEC™ filler technology

Ceram.x Spectra™ ST is based on the advanced granulated filler technology SphereTEC™ which is patent applied. SphereTEC™ stands for the process of manufacturing microscaled, well-defined spherical superstructures, comprising of submicron glass. The SphereTEC™ fillers' morphology, particle size distribution and surface microstructure are key for the enhanced handling comfort and esthetic outcome.

20 Qm
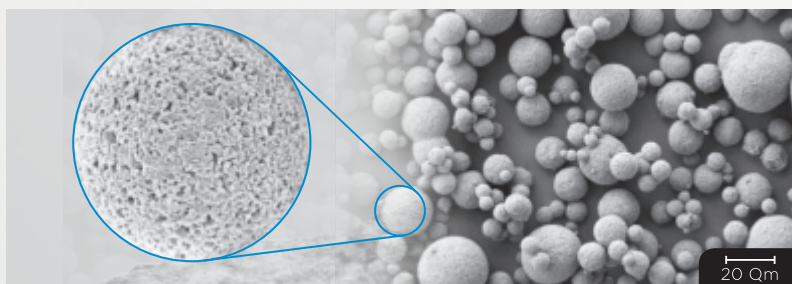
Microstructured surface of a SphereTEC™ filler (d3.50 - 15 μm), obtained via spray-granulation process from submicron glass fillers.

SEM picture showing SphereTEC™ spherical prepolymerised fillers providing a ball-bearing effect that enables excellent adaptation and sculptability.
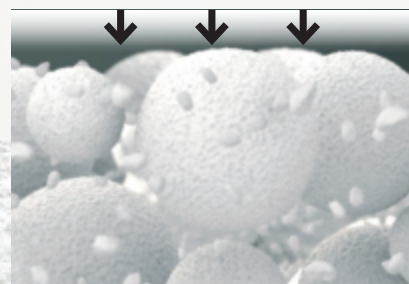
The micro-granulated structure of SphereTEC™ is able to bind more free resin compared to usual fillers. Therefore Ceram.x Spectra™ ST does not stick to hand instruments.

5 Cloud shades cover the full VITA® range

The CLOUD shade concept is designed to achieve shade match with the full range of VITA®[1] shades with a minimised number of universal shades. Ceram.x Spectra™ ST contains five CLOUD shades of moderate translucency named A1 to A4.[2]

VITA®[1]	A1 B1 C1	A2 B2 D2	A3 C2 D3 D4	A3.5 B3 B4 C3	A4 C4
CLOUD shade	A1	A2	A3	A3.5	A4
	A1	A2	A3	A3.5	A4
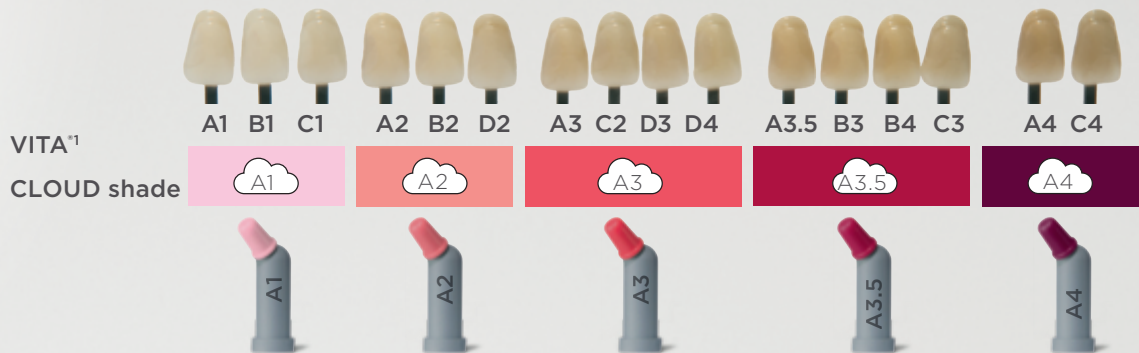
Esthetics made easy

Anterior restoration

Before

After restorations with Ceram.x Spectra™ ST A3 from 32 to 43.

Ian Cline, UK

Posterior restoration
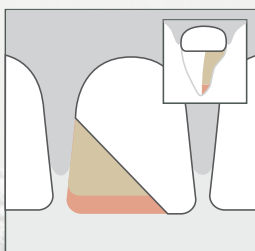

Tooth 36 with an occlusal caries lesion.

Restoration with Ceram.x Spectra™ ST A2 giving the tooth back its lost anatomy and natural esthetic.
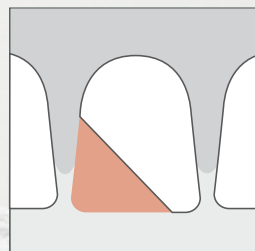
José Bahillo, Spain

Ceram.x Spectra™ ST Effects

For esthetically demanding anterior cases, Ceram.x Spectra ST works with Ceram.x Spectra ST Effects in a simplified layering technique.

Opaque Dentin Shade
Restore lingual 1/2 of tooth thickness with opaque dentin and universal CLOUD shade.

Universal CLOUD Shade
Restore facial 1/2 of tooth thickness with universal CLOUD shade.
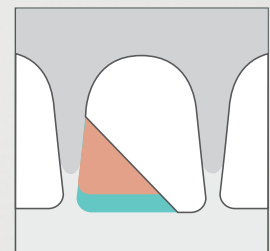
Translucent Enamel Shade
Use the translucent enamel shade for the facial incisal edge increment. (Optional)

[1] VITA® is not a registered trademark of Dentsply Sirona.
[2] Additionnally a Bleach White shade is available in Compules® Tips for the restoration of bleached teeth!

Ordering Information

HIGH VISCOSITY

Compules® Tips Intro Kit (HV)   607.01.570N
24 HV Compules® Tips (Gray) – (0.25 g each), (4 x A1; 4 x A2; 8 x A3;
4 x A3.5; 4 x A4), 1 Compules® Tips Gun

Syringe Intro Kit (HV)   607.01.550N
5 HV Syringes (Gray) - (3 g each) , (A1; A2; A3; A3.5; A4),
1 Bottle Prime&Bond active™ Adhesive (2.5 mL)

Refills (HV)	Compules® Tips	Syringe
Shades	(16 x 0.25 g)	(1 x 3 g)
A1 (= VITA[*1] shades A1; B1; C1)	**607.01.571N**	607.01.551N
A2 (= VITA[*1] shades A2; B2; D2)	**607.01.572N**	607.01.552N
A3 (= VITA[*1] shades A3; C2; D3; D4)	**607.01.573N**	607.01.553N
A3.5 (= VITA[*1] shades A3.5; B3; B4; C3)	**607.01.575N**	607.01.555N
A4 (= VITA[*1] shades A4; C4)	**607.01.574N**	607.01.554N
BW (Bleach White)	**607.01.576N**	

Eco Refills (HV)	Compules® Tips
Shades	(52 x 0.25 g)
A2 (= VITA[*1] A2; B2; D2)	**607.01.582N**
A3 (= VITA[*1] A3; C2; D3; D4)	**607.01.583N**

LOW VISCOSITY

Compules® Tips Intro Kit (LV)   607.01.690
24 LV Compules® Tips (Blue) Assorted – (0.25 g each), (4 x A1; 4 x A2;
8 x A3; 4 x A3.5; 4 x A4), 1 Compules® Tips Gun

Refills (LV)	Compules® Tips
Shades	(16 x 0.25 g)
A1 (= VITA[*1] shades A1; B1; C1)	**607.01.691**
A2 (= VITA[*1] shades A2; B2; D2)	**607.01.692**
A3 (= VITA[*1] shades A3; C2; D3; D4)	**607.01.693**
A3.5 (= VITA[*1] shades A3.5; B3; B4; C3)	**607.01.695**
A4 (= VITA[*1] shades A4; C4)	**607.01.694**
BW (Bleach White)	**607.01.696**

Eco Refills (LV)	Compules® Tips
Shades	(52 x 0.25 g)
A2 (= VITA[*1] A2; B2; D2)	**607.01.672**
A3 (= VITA[*1] A3; C2; D3; D4)	**607.01.673**

Ceram.x Spectra™ ST Effects

Universal Composite Restorative – Compules® Tips – HIGH VISCOSITY
Compules® Tips Introductory Kit   **6070 1710**
24 Compules® Tips (0,25g each) 12 x D1, 8 x D3, 4 x E1

HV Refills (16 x 0,25g)	Compules® Tips
D1 (use with A1; A2)	**607.01.718**
D3 (use with A3; A3.5; A4)	**607.01.719**
E1 (use with A1; A2; A3; A3,5; A4)	**607.01.717**

Technical features			
Curing time, 2 mm[1]	≥ 800 mW: 10 s	Working time (10.000 lx)	130 s
Filler content[2]	Up to 79 % weight Up to 61 % volume	Compressive strength	400 MPa
Shrinkage (Archimedes)	2.3 vol-%	Flexural strength	135 MPa
Shrinkage stress (ADA)	2.98 MPa	Flexural modulus	8.5 GPa
Radiopacity	2.3 mm Al	Vickers hardness (VH5/10s)	60

[1] Curing time for Ceram.x Spectra ST Effects see separate DFU.

[2] SphereTEC® and conventional filler as well as ytterbium fluoride; content varies ± 2 % among shades.

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