



Universal Hybrid Composite Restorative

Dynamic *Plus*[®]



Starter Kit
PRD.100.01.100



Composition

- + Barium aluminosilicate (Average Particle Size: $<1\mu\text{m}$)
- + Fumed silica (Average Particle Size: $0.04\mu\text{m}$)
- + Bis-GMA
- + Triethyleneglycol dimethacrylate
- + Others
- + The percentage by weight of total inorganic filler is ca.80%

- ✓ Easy handling, non-sticky formula that won't slump.
- ✓ Excellent wear resistance and superior performance at the margin.
- ✓ Resists chipping and fracturing for long-lasting restorations.
- Creamy consistency
- Great optical properties
- Simple technique
- Excellent polishability
- Long working time
- Suitable for all cavities in Anterior & Posterior teeth

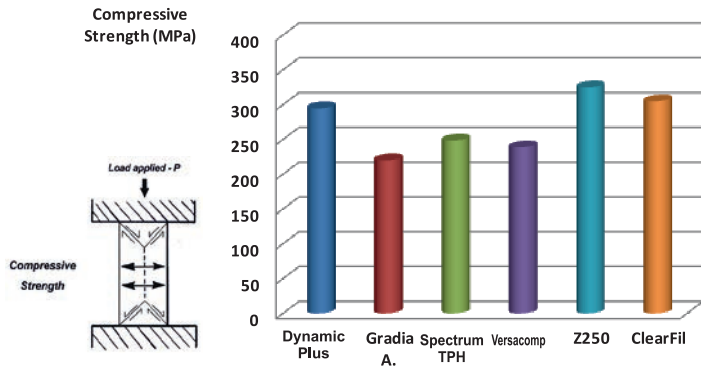
DYNAMIC PLUS Range is a complete range of restorative materials that offer:-

- Easy handling
- Versatility
- Clinical performance

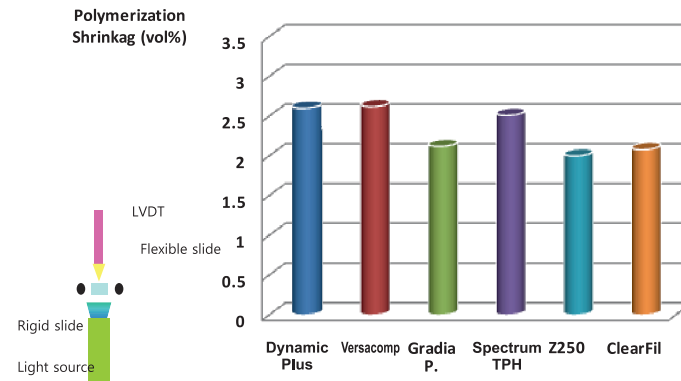
The result is the ideal combination of performance and value.

DYNAMIC PLUS is a visible light cure microhybrid composite for anterior and posterior restorations. DYNAMIC PLUS is based on BIS-GMA-resin and inorganic filler particles of 0.05-1 cm. The total filler load is 80%, and the total filler volume is 65%. It is available as single syringes or as kits in various combinations containing a bonding system and application accessories and various number of syringes. (5 syringe Starter Kit and 8 syringe Regular Kit).
Shades: A1, A2, A3, A3.5, A4, B1, B2, B3, C2, C3, D3, OA2, OA3, I, P, E

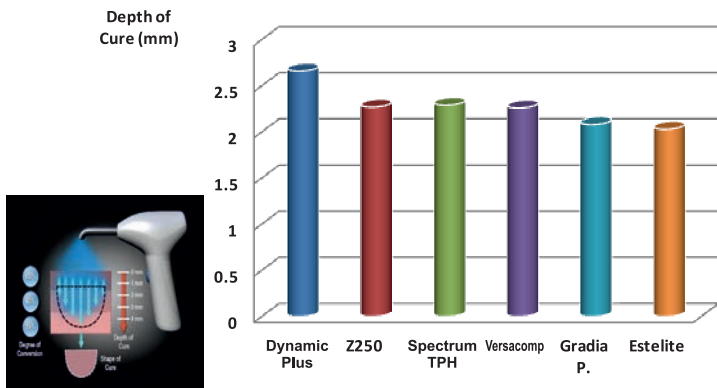
Mechanical properties I



Polymerization properties

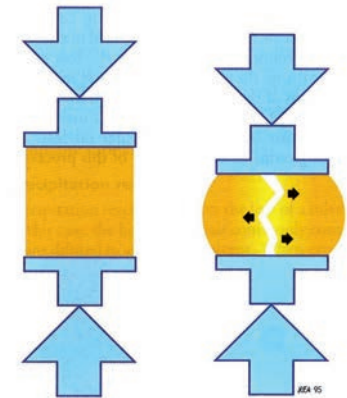


Polymerization properties II



Compressive strength

The ability of a material to resist fracture / breakage from compressive (or crushing) forces from a single impact.



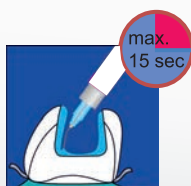
Clinical Steps of Application

1) Enamel and dentine pre-treatment

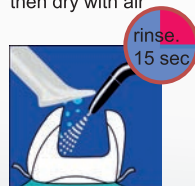
Start at enamel



Extend to dentine



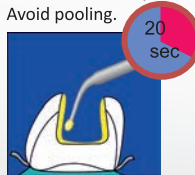
Rinse with Water then dry with air



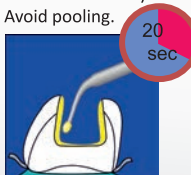
Do not desiccate

2) Application of Bonding agent

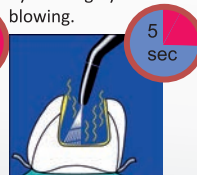
Wet all cavity surfaces uniformly. Avoid pooling.



Wet all cavity surfaces uniformly. Avoid pooling.

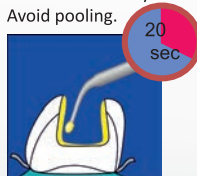


Evaporate solvent by thoroughly blowing.

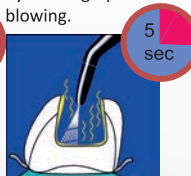


2) Application of Bonding agent

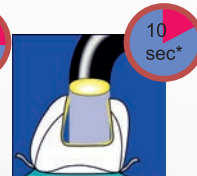
Wet all cavity surfaces uniformly. Avoid pooling.



Evaporate solvent by thoroughly blowing.



Light-cure.



3) Composite Application

Before



After



Clinical cases

Class IV



Class I & Class II



Class III

1. Preparation



2. Etching



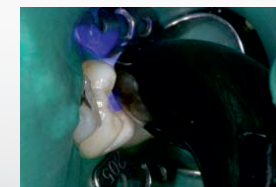
3. Bonding Application



4. Resin replacement



5. Light Curing



6. Finishing



LAYER TECHNIQUE

ANTERIOR



PREPARATION OF THE TOOTH



MOCK-UP

	Vita Shade	A1	A2	A3	A3.5	A4
Enamel		A1	A2	A3	A3.5	A4
Dentine		A2 2 mm	A2 2.0 mm	A3 2.0 mm	A3 2.0 mm	A4 Enamel
Enamel		A1 0.5 mm	A2 0.5 mm	A3 0.3 mm	A3.5 0.5 mm	A4 0.2 mm



FINISHING & POLISHING

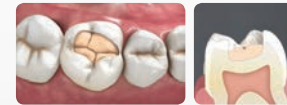
LAYER TECHNIQUE

POSTERIOR



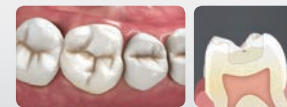
PREPARATION OF THE TOOTH

	Vita Shade	A1	A2	A3	A3.5
Dentine		A3.5	A3.5	A3.5	A3.5



Characterisation of tooth with Kolor Plus®

	Vita Shade	A1	A2	A3	A3.5
Enamel		A1 ≥ 0.5 mm	A2 ≥ 0.5 mm	A3 ≥ 0.5 mm	A3.5 ≥ 0.5 mm



FINISHING & POLISHING

PRD.100.01.100 Starter Kit	5x4 gr syringe (A1,A2,A3,B1,B2)	1x5 ml.Prebond (Bonding Agent)	1x3 ml. syringe etching gel
PRD.100.0.101 Regular Kit	8x4 gr syringe (A1,A2,A3,A3-5,B2,B3,A2Q,I)	1x5ml. Prebond (Bonding Agent)	2x3 ml. syringe etching gel

PRD.100.01.102	A1	PRD.100.01.110	C2
PRD.100.01.103	A2	PRD.100.01.111	C3
PRD.100.01.104	A3	PRD.100.01.112	D3
PRD.100.01.105	A3,5	PRD.100.01.113	OA2
PRD.100.01.106	A4	PRD.100.01.114	OA3
PRD.100.01.107	B1	PRD.100.01.115	I
PRD.100.01.108	B2	PRD.100.01.116	P
PRD.100.01.109	B3	PRD.100.01.117	E