

Ready to Grind!



A Proven Universal Composite that is Perfect for Posterior Teeth.



Features & Benefits

- Accurate color matching
- High strength and durability
- High polishability
- Easy handling
- Does not stick to instruments
- Sufficient radiopacity
- Superior physical properties
- Available in syringes and PLTs
- Very economical per use application

CLEARFIL AP-X RESTORATIVE SYSTEM **CLEARFIL AP-X PLT**

Ten years of clinical experience and scientific research guarantee **Clearfil AP-X** offers superior aesthetic appearance and exceptional physical properties. Compared to all other available composites, **Clearfil AP-X** series offers 5 good reasons to change.

CLEARFIL AP-X RESTORATIVE SYSTEM

CLEARFIL AP-X PLT

1 Low wear and high fracture resistance

Clearfil AP-X series is a micro-hybrid composite consisting mainly of high density fine barium glass particles. The fine barium glass particles make up 85% of the composite's weight. This is one of the reasons for the unusually low wear and high fracture resistance of the Clearfil AP-X series; a truly convincing value for durable posterior restorations.

2 Excellent Polishability

The high density fine filler particles (smallest 0.04 um) provides excellent polishability. The aesthetically pleasing result makes Clearfil AP-X series the perfect choice for challenging anterior restorations.

3 Low Polymerization Shrinkage

The high quality of our inorganic filler is one of the reasons for a very low polymerization shrinkage of 1.9%; reducing stress forces against cavity walls dramatically. As a result, the risks of post-operative sensitivities and secondary cavities due to leakage are significantly limited.

4 Visible Radiopacity

The composite's high percentage of barium glass particles offers excellent radiopacity for x-ray evaluations.

5 Easy Handling

Clearfil AP-X series is made with a special non-sticky formula, preventing the composite from sticking to any instruments or contact matrix. The material offers convenient adaptation for use with additional composite layers making it an excellent choice for anterior restorations. In addition, the consistency of Clearfil AP-X series allows for precise shaping of posterior restorations. Convenient PLT compules improve the application process and limits the possibility of cross-infection.

Clearfil AP-X and SE Bond



Clearfil AP-X, is the ideal direct material to use with SE Bond.

Clearfil SE Bond

Clearfil SE Bond is a self-etching primer and bonding system that is highly recommended and scientifically proven. Clearfil SE Bond's water-based primer significantly reduces procedural time while providing excellent bond strength and sealing performance. The unique delivery system inhibits direct finger contact preventing any risk of contact allergies.

Clinical Indications

Class I, II, V restoration of posterior teeth
Class III, IV, V restoration of anterior teeth
Cervical cavities or defects involving root surface

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Kuraray Dental...over 25 years of committed, focused, scientific work and leadership with relentless search for better solutions—products that enhance your skill and care.

COMPOSITE RESIN FILLING MATERIAL COMPARISON

| Product | Manufacturer | Filler Content (wt%) | Flexural Strength (MPa) | Vickers Hardness | Tooth Brush Wear (mm ³) |
|----------------|------------------|----------------------|-------------------------|------------------|-------------------------------------|
| AP-X | Kuraray Medical | 85.5 | 208 | 134 | 0.20 |
| TPH Spectrum | Dentsply | 77.0 | 131 | 61 | 0.92 |
| Tetric Ceram | Ivoclar Vivadent | 76.0 | 164 | N/A | N/A |
| Charisma | Kulzer | 69.5 | 111 | 61 | 0.92 |
| Solitaire | Kulzer | 65.0 | 71 | 56 | N/A |
| Point 4 | Kerr | 76.0 | 142 | 61 | 0.36 |
| Z100 | 3M-Espe | 84.5 | 174 | 119 | 0.21 |
| Filtek Z250 | 3M-Espe | 77.7 | 165 | 84 | N/A |
| Dytract AP | Dentsply | 73.0 | 104 | 51 | 1.34 |
| Esthet-X | Dentsply | 81.4 | 136 | 70 | 0.53 |
| F2000 | 3M-Espe | 84.0 | 67 | 130 | 0.98 |
| Filtek Supreme | 3M-Espe | 73.6 | 126 | 92 | N/A |

Tests performed by Kuraray Medical Inc.

CLEARFIL™ AP-X series components

SYRINGES

- #1721-KA CLEARFIL™ AP-X (A2)
- #1722-KA CLEARFIL™ AP-X (A3)
- #1723-KA CLEARFIL™ AP-X (A3.5)
- #1724-KA CLEARFIL™ AP-X (A4)
- #1725-KA CLEARFIL™ AP-X (B2)
- #1726-KA CLEARFIL™ AP-X (B3)
- #1727-KA CLEARFIL™ AP-X (B4)
- #1728-KA CLEARFIL™ AP-X (C2)
- #1729-KA CLEARFIL™ AP-X (C3)
- #1730-KA CLEARFIL™ AP-X (C4)
- #1731-KA CLEARFIL™ AP-X (XL)
- #1732-KA CLEARFIL™ AP-X (C1)
- #1733-KA CLEARFIL™ AP-X (CL)
- #1734-KA CLEARFIL™ AP-X (HO)

PLTs

- #1715-KA CLEARFIL AP-X PLT Intro and Gun kit (A2, A3, B2, XL: 10 tips ea./Clearfil SE BOND*/Clearfil AP-X PLT Gun)
- #1740-KA CLEARFIL™ AP-X PLT Intro Kit (A2, A3, B2, XL: 10 tips ea./Clearfil SE BOND*)
- #1741-KA CLEARFIL™ AP-X PLT 20 tips (A2)
- #1742-KA CLEARFIL™ AP-X PLT 20 tips (A3)
- #1743-KA CLEARFIL™ AP-X PLT 20 tips (A3.5)
- #1744-KA CLEARFIL™ AP-X PLT 20 tips (A4)
- #1745-KA CLEARFIL™ AP-X PLT 20 tips (B2)
- #1746-KA CLEARFIL™ AP-X PLT 20 tips (B3)
- #1751-KA CLEARFIL™ AP-X PLT 20 tips (XL)
- #1754-KA CLEARFIL™ AP-X PLT 20 tips (HO)

*CLEARFIL™ SE BOND Primer 1.5ml / CLEARFIL™ SE BOND Bond 1.25ml / Outer Case, Accessories

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