MAGMA NT

Light Cured Restorative Composite

PREVESTDenPro®
THE FUTURE OF DENTISTRY

Product Description : Magma NT is a visible light cured, radiopaque highly filled fine composite restorative material for anterior and posterior restorations of all teeth.
Composition : Bisphenol A glycidyl methacrylate, Urethane dimethacrylate, Triethylene glycol dimethacrylate, Radiopacifiers, Fillers, Photoinitiator and Pigments.
Intended Use/Intended Purpose : It is used as permanent filling material for anterior and posterior teeth.
Indications for Use : Magma NT composite is indicated for direct filling of class I, II, III, IV and V Cavities in anterior and posterior teeth. Preventive resin restoration and repair of composite / ceramic veneers.
Instructions for use :
1. **Prophy Paste :** Clean the tooth to be treated and adjacent teeth with a brush and prophy paste.
2. **Shade Selection :** Select the shade using VITA Classical Shade Guide or custom shade guide.
3. **Restoration Depth :** The amount of colour restorative material exhibits is affected by its thickness. Shade matches should be taken from the portion of the VITA classical shade guide or custom shade guide most similar to the thickness of the restoration.
4. **Isolation :** For complete procedure a rubber dam shall be used to avoid saliva contamination.
5. DIRECT RESTORATION :
a) Cavity Preparation : Prepare the cavity using conservative cavity technique. No residual amalgam or other base material should be left in the cavity. Cover the area close to the pulp with hard setting (Cal-LC / ApaCal ART) Light Cure base, liner materials.
b) Etching and adhesive system: Apply 37% Phosphoric Acid Etchant Gel (Actino Gel) for 15-20 sec. Remove Gel with vigorous water spray and rinse conditioned area for at least 10 sec. Blot dry conditioned area with a moist cotton pellet. Apply Bonding agent (Fusion Bond 5) with a disposable brush to the entire cavity (Note : While using selfetch etch bonding agent (Fusion Bond 7), the primary etching step could be eliminated or a selective etching of enamel could considered). Ensure thorough wetting of the entire cavity. Allow 20 sec air drying and re apply another coat of dentine bonding agent. Remove excess solvent by gently drying with dry air for at least 5sec to ensure uniform glossy surface. Cure adhesive for 20 -30 sec using standard curing light.
c) Dispensing the composite: Remove syringe cap and dispense material into a clean light protected wells. Place the material into the cavity using a clean unabraded instrument (Teflon coated). After dispensing, screw plunger should be rotated anti clock wise by half to full turn to release residual pressure inside the syringe. Contour the material in the cavity. Light cure for 40 sec using standard curing light. Note : Build in increments of 2mm maximum using an oblique layering technique and perform finishing and polishing using standard technique.
6. **INDIRECT RESTORATION:** Repair of Composites and Ceramic Veneers: It is accomplished by using the similar steps as mentioned above. In order to prepare the existing surface, round or smooth any sharp corners or irregular edges, then acid-etch, apply dentine bonding agent and add composite. The dispensed material shall not be placed back in container and the dose once applied and used shall not be reused.

Product	Light Intensity (mW/cm^2)	Curing Time (Sec)	Wavelength For Curing (nm)	Depth of Cure (mm)	Filler Particle Size (μ)	Filler loading (% Volume)
Magma NT	≤600 750 1200	40 20 10	400-450	2.59 mm (opaque)/ 2.89mm (non-opaque)	2	75

Warnings : Avoid prolonged or repeated contact with skin (allergic contact dermatitis), and eyes. Avoid prolonged inhalation. Do not take internally. Contact with the skin may cause irritation, burns of hypersensitivity. If contact with skin occurs immediately wipe off thoroughly with cotton and alcohol and then wash well with soap and water. If skin rash and sensitization or other allergic reaction occurs discontinue use and seek medical attention. If the product comes into contact with the eyes, rinse thoroughly with fresh water and consult a physician.
Precautions :
1. Use of Eugenol containing materials should be avoided with this product because they may effect polymerization and interfere with the hardening process.
2. Being sensitive to ambient light, the dental chair light should be turned off while curing and the syringes should be kept away from direct sunlight.
3. The syringe should be properly closed when not in use.
4. To prevent premature setting of the material it is advised to used light protected wells.
5. Dental orange filters should be used in conjunction with dental curing light for extra vision protection.
6. Dental loupe light filters to be used with loupe lights to prevent premature curing.
Contraindications : It is contraindicated for use with patients who have a history of severe allergic reaction to methacrylate resins.
Storage Conditions : Store at temperature between 10°C(50°F) to 24°C(75°F). Close the cap carefully after use. Keep away from moisture. Shelf life not affected after opening if stored in a cool dry place.
Shelf Life : 3 years from the date of manufacturing.
Presentation :
Ref : 20001
Refill Pack : 1 x 4gm syringe
Shades : A1,A2,A3,A3.5,A4,B1,B2,B3,C1,C2,C3,D1,D2,D3, Incisal/Opaque, OA1,OA2,OA3,OA3.5, Extra Bleach, Bleach, Gingival G1,G2,G3,G4
Disposal Conditions :
To be disposed off based on the prevailing rules of the country in which it is used.

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UDI Symbol for "UNIQUE DEVICE IDENTIFIER"
LOT Symbol for "BATCH CODE" Symbol for "USE-BY DATE" Symbol for "NON STERILE" Symbol for "KEEP DRY"
Symbol for "CAUTION" Symbol for "CONSULT INSTRUCTION FOR USE" REF Symbol for "CATALOGUE NUMBER"
EC REP Symbol for "AUTHORIZED REPRESENTATIVE IN THE EUROPEAN COMMUNITY/EUROPEAN UNION
Symbol for "DO NOT USE IF PACKAGE IS DAMAGE" Symbol for "KEEP OUT OF THE REACH OF CHILDREN" Symbol for "MANUFACTURER"
Symbol for "TEMPERATURE LIMIT" Symbol for "KEEP AWAY FROM SUNLIGHT" MD Symbol for "MEDICAL DEVICE"

The material has been developed solely for professional dental use. Application should be carried out strictly according to the instruction for use. Liability cannot be accepted for damages resulting from failure to observe the instructions of the stipulated area of applications. The user is responsible for testing the material for its suitability and use for any purpose not explicitly stated in this instruction sheet. Description and data constitute no warranty of attributes and are not binding. For feedback, complaints and reporting of unexpected events contact customer care.