



quality dental supplies

Product Catalogue 2007



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### Water-based Cements

- restore plus
- lute plus
- restore glass
- lute glass
- zinc phosphate
- cem - zinc
- poly - z

### Resin-based Cements

- compomax LC
- compo-flo
- A Q bond

### Auxillaries

- etching gel
- RCEZ gel
- EZ white
- G.P. Solve
- zinc oxide
- eugenol
- varnish
- conditioner
- cal - plus

D-tech was launched in India in the year 2000. In these few years the name D-tech has become synonymous with good quality and great value for money.

At D-tech, we aim to provide the dental professional with an extensive range of dental materials & consumables.

D-Tech products go through a series of quality control procedures. The products conform to ISO and CE standards. The raw materials are procured from the best sources and conform to the most stringent international standards. Our, in house, R&D department is working constantly towards quality improvements in all the existing products. We also have a team of dental professionals evaluating our products and giving us valuable feedback.

All our efforts go into making D-tech your trusted brand.

We are constantly adding new products to our range. Our new launches will be featured on our website, so do keep visiting us to check out what's new.

"Our mission at D-tech is to be India's leading brand for quality dental materials"



[www.dtechasia.com](http://www.dtechasia.com)

Our warehouse



Our warehouse is well stocked & geared up for prompt dispatch. Most orders are dispatched within one working day.

Telephone numbers for your region:

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## Restore +

premium glass ionomer restorative cement



### DESCRIPTION AND FEATURES

- Premium quality cement for long term restorations
- High compressive strength
- Cement mix is easier to manipulate due to improved setting characteristics.
- Very high on aesthetics due to higher translucence
- Radiopaque
- Coefficient of thermal expansion similar to tooth structure
- No appreciable shrinkage on setting

A . R . T . T E C H N I Q U E



### INDICATIONS FOR USE

- Final restorative in deciduous teeth for cavities of Class I, II, III & V
- Long term restorative in non load bearing areas of Class I & II
- Intermediate restorative and sandwich material for heavy stress bearing Class I&II cavities
- Core build-up material

### TECHNICAL DATA

24 hours compressive strength	200 Mpa
Working Time @ 23 C	2:30 min
Setting Time @ 23 C	6:00 min
Radiopacity	200% Al
Shelf life	2 years

### PACKAGING

- 1Bottle of 10gm Restore+ Powder
- 1Dropper of 8gm Restore+ Liquid
- Mixing pad
- Spoon

- restore plus
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**Lute +**

premium glass ionomer luting cement



### DESCRIPTION AND FEATURES

- Premium Quality cement for Luting
- Average particle size < 2 which gives thin unbroken film that will flow easily and leave no voids
- Forms an Ultra Thin continuous film
- Highly radio opaque, strontium based glass, for easy post-op analysis using a radiograph
- No sensitivity related issues

### INDICATIONS FOR USE

- Cementation of inlays, crowns, bridges & endodontic posts
- Cementation of orthodontic bands
- Liner and base

### TECHNICAL DATA

24 hours compressive strength	140 Mpa
Working Time @ 23 C	3:05 min
Setting Time @ 23 C	6:00 min
Radiopacity	250% Al
Shelf life	2 years



### PACKAGING

- 1Bottle of 10gm Lute+ Powder
- 1Dropper of 8gm Lute+ Liquid
- Mixing pad
- Spoon

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## RESTORE GLASS glass ionomer restorative cement



### DESCRIPTION AND FEATURES

- A truly economical restorative cement
- Aesthetic looks
- Fluoride release

### INDICATIONS FOR USE

- Suitable for restoration of prepared teeth and restorations of class III, V & limited Class I cavities
- Can be used for core build up

### TECHNICAL DATA

24 hours compressive strength	160 Mpa
Mixing Time @ 23 C	1:00 min
Working Time @ 23 C	2:00 min
Setting Time @ 23 C	4:00 min
Shelf life	2 years



### PACKAGING

- 1Bottle of 15gm Restorative Powder
- 1Dropper of 13gm Restorative Liquid
- Mixing pad
- Spoon

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## LUTE GLASS glass ionomer luting cement



### DESCRIPTION AND FEATURES

- Provides excellent adhesion of prosthesis with dentine
- Releases fluoride
- Low post operative sensitivity

### INDICATIONS FOR USE

- For cementation of inlays, crowns, & bridges
- Cementation of orthodontic bands
- Base or liner

### TECHNICAL DATA

24 hours compressive strength	120 Mpa
Working Time @ 23 C	2:30 min
Setting Time @ 23 C	5:00 min
Shelf life	2 years

### PACKAGING

- 1Bottle of 15gm Luting Powder
- 1Dropper of 13gm Luting Liquid
- Mixing pad
- Spoon



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## ZINC PHOSPHATE zinc phosphate cement



### DESCRIPTION AND FEATURES

- Truly economical cement
- High final strength
- Low solubility

### INDICATIONS FOR USE

- Luting of crowns, bridges and inlays
- Underfilling, temporary fillings
- Orthodontic work

### TECHNICAL DATA

Mixing Time @ 23 C	1:00 min
Working Time @ 23 C	1:30 min
Setting Time @ 23 C	4:00 min
Shelf life	2 years

### PACKAGING

- 1 Bottle of 30gm Zinc Powder
- 1 Dropper of 15gm Zinc Liquid
- Spoon



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## Cem-Zinc

premium zinc phosphate cement



### DESCRIPTION AND FEATURES

- Comfortable mixing and setting time
- Excellent handling
- Good sealing property due to low solubility
- High compressive strength

### INDICATIONS FOR USE

- Zinc cement with longer setting time
- Luting of crowns, bridges & inlays
- Cementation of orthodontic bands
- Lining cement
- Temporary fillings in posterior teeth

### TECHNICAL DATA

Working Time @ 23 C	2:00min
Net setting time	5.0-6.0min
Shelf life	3 years

NORMAL SET



### PACKAGING

- 1Bottle of 30gm Cem-Zinc Powder
- 1Dropper of 15gm Cem-Zinc Liquid
- Spoon

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## Poly - Z zinc polycarboxylate cement

### DESCRIPTION AND FEATURES

- Easy handling & manipulation
- Low sensitivity
- Chemically adheres to structure and metal appliances

### INDICATIONS FOR USE

- Cementation of inlays, crowns, bridges, facings & orthodontic brackets
- Cavity lining under all restorative material or following root canal treatment
- Liner and base

### TECHNICAL DATA

Working Time @ 23 C	2:00 min
Net setting time	5:00 min
Shelf life	2 years

### PACKAGING

- 1 Bottle of 30gm Poly-Z Powder
- 1 Dropper of 13gm Poly-Z Liquid
- Mixing pad
- Spoon



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bonding

## ÀQ BOND Single step bonding agent



### DESCRIPTION AND FEATURES

- Light curing hydrophillic single step bonding agent
- Single component prime & bond light cure ethanol based - adhesive
- Excellent bond strength - dentin & enamel
- Wet bonding system
- Easy & fast application

### INDICATIONS FOR USE

- Direct composite restorations
- Sealing of cavity prior to amalgam filling
- Priming of root canal
- Metal primer / ceramic repair
- Repair of amalgam filling
- Adhesive cementation of posts, crowns & bridges, including inlays & onlays

### TECHNICAL DATA

Shear Bond Strength to etched enamel	>25 Mpa
Shear Bond Strength to un-etched dentin	>20 Mpa
pH of Bond	6.5
Shelf life	2 years
Excellent watability and penetration into the dentin tubules	
Forms the essential hybrid zone	



### PACKAGING

- 1 Bottle of 3 ml

- compomax LC
- compo - flo
- A Q bond

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composite

## COMPOMAX - LC

LC Microhybrid anterior-posterior composite



### DESCRIPTION AND FEATURES

- Non-sticky
- Low shrinkage
- High resistance to wear
- Exceptional strength
- High polish retention & stable colour match
- Based on BIS-GMA resin & inorganic filler particles of 0.05 -1



### INDICATIONS FOR USE

- For Class II, III, Class IV ,V & smaller Class VI restorations
- For direct veneers
- For anterior & posterior restorations

### PACKAGING

4gm syringes of shades A1, A2, A3, A3.5, B1, B2 & C1 (Available on request in all VITA shades).

### TECHNICAL DATA

Total filler content (by weight)	81%
Total filler content (by volume)	63%
Curing Time (light curing)	40sec
Depth of cure(20 sec)	4 mm
Compression strength	320 Mpa
Flexural strength	150 Mpa
Flexural modulus	10000 Mpa
Water sorption	<10ug/mm3

Water solubility	<1ug/mm3
Colour Stability	Very good
Polishability	Excellent
Radiopacity	>350% of Al Plate
Volumetric Shrinkage	2.5%
Avg particle size of inorganic filler	0.05-0.9um
Linear polymerisation shrinkage	<0.9%
Shelf life	3 years

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composite

**COMPO-flo**

LC flowable radiopaque composite



**DESCRIPTION AND FEATURES**

- Low shrinkage
- High biocompatibility
- High radiopacity
- Outstanding aesthetic appearance
- Perfect for minimal invasive restorations
- Based on BIS-GMA & TEGDMA resin plus silica filler

**INDICATIONS FOR USE**

- For Class III, Class V & smaller Class IV restorations
- Base / liner in Class I & Class II restorations
- Repair of resin, porcelain & acrylic temporary materials
- Pit & fissure sealants
- Restorations of minimally invasive cavity preparations
- Undercut blockout



**PACKAGING**

2gm syringes of shades A1, A2, A3, A3.5, B1, B2 & C1 (Available on request in all VITA shades)



- compomax LC
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- A Q bond

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auxillaries



Etching Gel

DESCRIPTION AND FEATURES

- 37% phosphoric acid gel
- Silica free, high quality, non - drying, medium viscosity gel
- Thixotropic ,stays put, does not run
- Visible blue colour
- Has excellent water solubility
- Disposable tips save time and are more sanitary

INDICATIONS FOR USE

- Before use of bonding material
- Before use of filling materials
- Before use of orthodontic brackets

TECHNICAL DATA

Excellent water solubility	
pH	2
Viscosity	Thixotropic
Shelf life	2 years

\*Also available in 10 ml dropper bottle pack



PACKAGING

- 1 syringe of 3gm etch
- 2 Applicator tips

EDTA Gel

DESCRIPTION AND FEATURES

- Acts as a chelating agent for dentin calcium
- Lubricates the root canal and facilitates endodontic instrument penetration
- Makes shaping more efficient
- Superior wettability ensures that it gets uniformly coated all over the canal and can be washed off easily

INDICATIONS FOR USE

- Facilitates root canal preparation

PACKAGING

- 1 Syringe of 3gm EDTA Gel
- 2 Applicator tips



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**EZ White Gel**

**DESCRIPTION AND FEATURES**

- The viscosity of the gel provides maximum contact with tooth surface
- Quick & effective whitening
- EZ-White will remove most of the commonly found stains quickly & effectively
- Full treatment lasts just few days
- Fresh Mint flavour
- Available in 11%, 16% & 21% concentrations



**INDICATIONS FOR USE**

- For bleaching/whitening of teeth

**PACKAGING**

- 1 Syringe of 2.5gm
- 2 Applicator tips

**Cal - plus**

**DESCRIPTION AND FEATURES**

- Radio opaque Calcium hydroxide paste
- Ready to use, water based paste
- Highly alkaline



**INDICATIONS FOR USE**

- Pulp capping
- As a cavity base
- As a neutralizing agent or protecting dentine against chemical or thermal reaction

**PACKAGING**

- Syringe of 3gm/ 2 Applicator tips

**Eugenol**

**DESCRIPTION AND FEATURES**

- A brownish viscous liquid with concentrated eugenols
- Best grade used



**PACKAGING**

- 1 Bottle of 10 ml/ 110ml

**Zinc Oxide**

**DESCRIPTION AND FEATURES**

- A chemically pure, arsenic free material popular for its fine quality
- Best grade used

**INDICATIONS**

- As a temporary filling material to be used in conjunction with Eugenol.

**PACKAGING**

- 1 Bottle of 110 gms



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# auxillaries



## GP-Solv

### DESCRIPTION AND FEATURES

- Does not contain chloroform
- Refreshing Citrus Fragrance
- Contains natural non-hazardous solvent

### INDICATIONS FOR USE

- Root Canal Filling Remover
- Effectively softens GP-Points & Zinc Oxide eugenol cement



### PACKAGING

- 1 Bottle of 10 ml

## Varnish

### DESCRIPTION AND FEATURES

- For Protective Coating on Glass Ionomer restoration
- Protects from moisture during the initial setting
- Does not contain acetone or chloroform
- Contains natural non-hazardous solvent
- Refreshing Citrus fragrance

### INDICATIONS FOR USE

- Protection of Glass Ionomer restorations from moisture during initial setting period.



### PACKAGING

- 1 Bottle of 10 ml

## Conditioner

### DESCRIPTION AND FEATURES

- D-tech Dentine conditioner is a mild solution of polyacrylic acid
- Removes the smear layer from dentin and improves the bonding of Glass Ionomer restorations and linings

### INDICATIONS FOR USE

- The D-Tech Dentine conditioner effectively removes the smear layer & significantly improves the bonding of Glass Ionomer to dentin.



### PACKAGING

- 1 Bottle of 10 ml



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