



Cements in dental market

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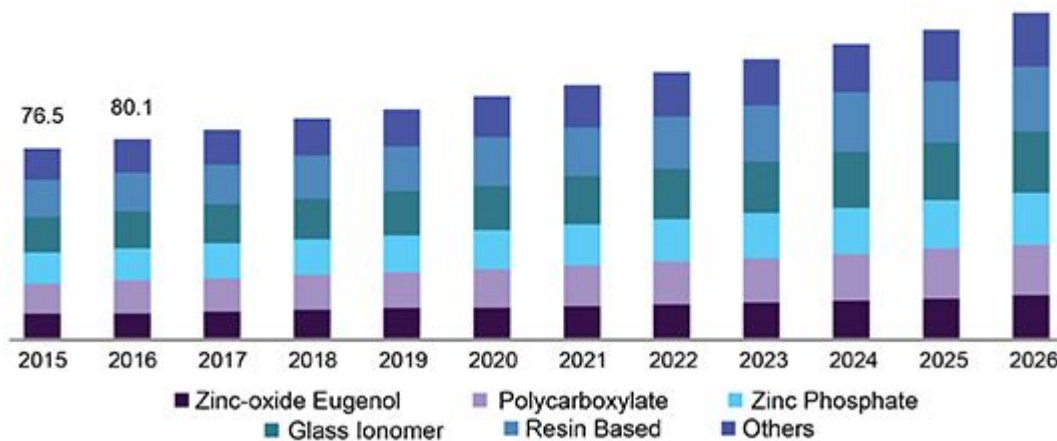
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Cements in dental market

The global dental cement market size was valued at USD 1.4 billion in 2018 and is anticipated to grow at a CAGR of 6.3% over the forecast period. Growing prevalence of dental disorders and technological & material advancements are among the factors expected to drive the market over the forecast period. In addition, growing demand for cosmetic .dentistry is anticipated to fuel the growth

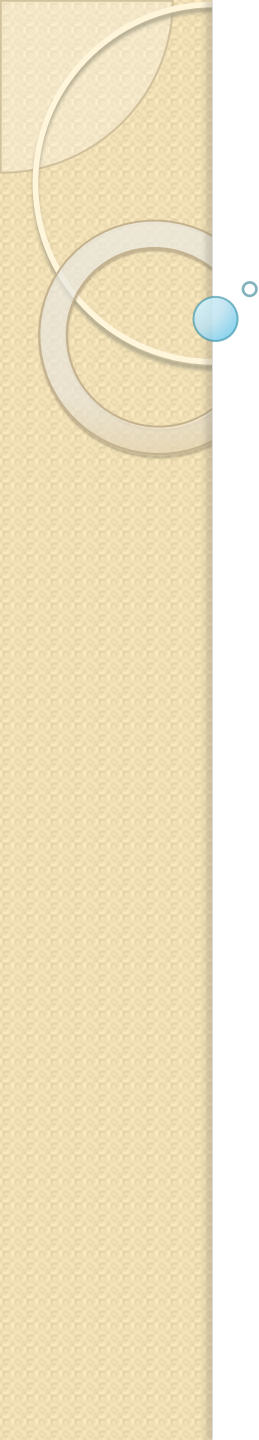
Canada dental cement market size, by material, 2015 - 2026 (USD Million)



Source: www.grandviewresearch.com

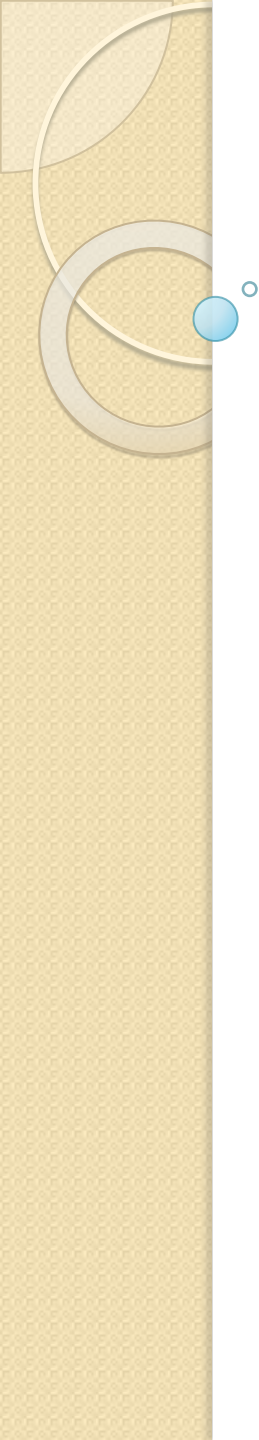
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Rising prevalence of caries is majorly responsible for market growth. For instance, according to The Global Burden of Disease Study (2016), nearly 2.4 billion individuals have dental caries of permanent teeth and more than 480 million children have dental caries of primary .teeth

Introduction of new formulations is another driver of the market. Glass Ionomer Cement (GIC) is preferred by dental surgeons across the globe, especially in children. Owing to increase in dental caries, researchers and manufacturers are taking efforts to introduce different types of dental cement for meeting varied patient .requirements



In addition, rapid advancements in GIC are expected to drive growth over the forecast period. Some novel developments are fiber or metal reinforced cement, inorganic polymeric oxide, resin-modified ionomer, utilization of nanoparticles & hydroxyapatite, and Sol-Gel method. These advancements are driven by various drawbacks of traditionally used dental materials, such as composite resins (time-consuming and have least technique-sensitive adhesive features) and amalgam (poor aesthetics and contains mercury that is harmful to the human body). Owing to these disadvantages, GICs are gaining popularity. They are easy to use, safer, and have excellent chemical & .physical properties

Material Insights

On the basis of material, the market is divided into polycarboxylate, zinc oxide eugenol, zinc phosphate, glass ionomer, resin based, and others. Resin-based segment held the maximum share in 2018 and is expected to grow at a rapid pace over the forecast period

Resin-based cement is one of the most versatile dental cements. It has various beneficial properties such as water insolubility and thin film thickness, which has resulted in its increased adoption for cementation of resin or ceramic inlays & onlays, metal castings, orthodontic bands & brackets, and ceramic veneers

Glass ionomer segment is also expected to grow considerably over the forecast period due to better features of this material over traditionally used ones. GIC has thin film thickness, high moisture tolerance, and the ability to release fluoride, which may lead to remineralization of demineralized tooth. Such unique characteristics of this cement are anticipated to boost market demand

Type Insights

On the basis of type, the market is categorized into permanent and temporary. The permanent cement segment dominated in 2018 and is anticipated to witness lucrative growth over the forecast period due to various features, such as insolubility in oral fluids, high resistance, and good compatibility with dental tissues.

In addition, permanent dental cement is made of long-lasting materials that are resistant to wear and tear and have a durability of a minimum of 10 years to a maximum of 30 years. They offer quality marginal sealing and help avoid leakage as well as provide optimal protection from external dental tissues.

Temporary cementation is also anticipated to grow steadily since they have a decent hold on dental restoration and teeth.

Moreover, they can be easily removed in the future if required.

Owing to these reasons, patients initially prefer temporary cementation. In addition, most dentists also prefer temporary cementation to check a restoration's margins and contours, in order to assess adaptation of dental tissue to a new material & evaluate the restoration's performance.

D.M.E EUGENOL REGULAR SET



PROMEDICA PROVILAT (TEMPORARY EUGENOL-FREE CEMENT)



Provilat is an eugenol-free luting cement for the temporary attachment of crowns, bridges and inlays as well as for temporary sealing. As the material contains calcium hydroxide to support the preservation of tooth vitality, it should only be applied to moistened teeth.

(SPOFA DENTAL KAVITAN G. I CEMENT 20G POWDER + 15G LIQUID)



Kavitan ®Cem is due to its especial gel-consistency and uncommonly strong adhesion to the hard dental tissues the first material of your choice for cementation. It is perfect for cementation of crowns and bridges, inlays and onlays with metal base. You will also .appreciate outstanding properties of this material by fixation of orthodontic appliances

PREVEST POLY ZINC + (30G&15ML)



Zinc polycarboxylate cement
powder Jar 30g & Liquid Bottle 15ml

Made in India

Poly Zinc+ is a zinc polycarboxylate cement which chemically bond to the tooth structure.

Indications :

- * Suitable for cementation of
- * Crowns , bridges and orthodontics brackets.
- * Cavity, lining under all restoration materials.
- * Temporary filling and filling of deciduous teeth.

Benefits :

- * Chemically bonds to tooth structure and metal appliances.
- * Extremely low film thickness.
- * Radiopaque.
- * High adhesive strength.
- * Minimal solubility in oral fluids.

TG POLYCEM POLICARBOXYLATE CEMENT



Indications

- Cementation of inlays, crowns, bridges and orthodontic brackets.
- Cement for bases under all types of filling materials.
- A temporary filling or filling for teeth of doubtful prognosis.

Advantages

- Long history of clinical success.
- Very good adhesion.
- Excellent Radiopacity allowing ease of finding excess residual sub gingival material and discovering of marginal discrepancies.
- Releases low levels of Fluoride.
- Good compressive and tensile strength.
- Eliminates some postoperative sensitivity.
- Tolerant to mild contaminations.

Contents: Powder 50g, Liquid 25ml, mixing spoon.

PREVEST MICRON LUTING I BLUE (15G&10ML)



Glass ionomer luting cement

Packaging : 1 X Powder Jar 15g

1 X Liquid Bottle 10ml

Made in India

Micron Luting is convenient self curing , fine particle, fluoride releasing, glass ionomer luting cement for crowns , bridges, securing inlays, onlays, post and orthodontic brackets.

Indications :

- * Cementation of inlays, onlays and crowns.
- * Cementation of posts and screws.
- * Attachment of metals orthodontics bands.

Benefits :

- * High fluoride release.
- * Low solubility.
- * Translucent shade.

GC FUJI II LC CAPSULES LIGHT-CURE RESIN GLASS IONOMER RESTORATIVE



GC Fuji II LC CAPSULE is a light-cured glass ionomer restorative with outstanding flexural strength and excellent bond strength to teeth even in presence of saliva. It is available in premeasured unit dose capsules for no-mess mixing. GC Fuji II LC CAPSULE's exceptional esthetics, simplicity and economy make it a fantastic choice for Class V restorations, cervical erosions/abfraction lesions and as a liner/base

SDI RIVA SET RESIN CEMENT CAPSULE



Set is a self etching, self adhesive, resin cement, -
designed for final cementation of metal, resin, all
ceramic and ceramic based restoratives. seT chemically
bonds to tooth structure and all types of core material,
.set is available in capsules

Made in Australia

GC PIECE FUJI EXTRA CAPSULE



GC Fuji IX GP EXTRA is the fastest setting glass ionomer on the market. While maintaining the ample working time of GC Fuji IX GP FAST (1 1/4 minutes), GC Fuji IX GP EXTRA allows final finishing in only 2 1/2 minutes from initial mix. The faster final set saves valuable chair time which provides improved stability against water, an important feature in challenging oral environments. This product contains a next generation glass filler, SmartGlass™. The filler elicits higher translucency, fluoride release, reactivity and a faster setting time. The unique optical properties of the new filler have also allowed GC America to create a new, lighter shade; B1 is ideal for children and patients who may have undertaken whitening procedures.

IMICRYL IMIBOND - P (80G&50G)



Made in Turkey

Advantages

- High adhesion values to dentin and enamel
- Low soluble in the water and mouth.
- No irritation to pulp
- Prevents penetration of microorganisms

Indications

- Temporary filling and filling in deciduous teeth and permanent teeth.
- Cavity lining under amalgam and composites.
- Cementation of crowns and bridges.
- Correct ratio of powder polyacrylic acid is incorporated into Zinc Oxide powder.
- Type of Cement - Zinc Polycarboxylate

Mixing Ratio

- 1 scoop powder 1 drop deionized or distilled water with using small direction of spoon
- 1 scoop powder 2 drop deionized or distilled water with using big direction of spoon

GC AMERICA G-CEM CAPSULE



SELF-ADHESIVE LUTING CEMENT IN CAPSULES

Maximum fluoride release

- Strong dual-cure chemistry
- Powerful adhesive strength
- No risk of post-op sensitivity
- Durability and dimensional stability
- High aesthetic quality and color stability
- Cementation technique for metal, ceramic, fiber posts, cast posts and cores
- Cementation of all types of ceramic, resin, metal-based inlays, onlays, crowns and bridges
- For metal, fiberglass and ceramic posts, attach a GC Elongation Tip to the G-CEM Capsule (GC Elongation Tips allow for closer access to the work area)



SPOFADENTAL KAVITAN™ PLUS

This conventional self-curing restorative material is suitable especially if you are looking for quality and acceptable price. It has good aesthetic features, adequate bond strength and it is perfect for standard techniques using glass-ionomer cements, e.g. Class I, III and .V fillings performed by the "sandwich" technique, liners and core build-ups

PRODUCT BENEFITS

- **Long-lasting bond** due to strong chemical adhesion to the hard dental tissues
- **Suitable replacement** of lost dentin by sandwich technique (liner type "base")
- **High compressive strength** and resistance to abrasion
- **Highly radiopaque material**
- **Biocompatible**

INDICATION

- Class III and V fillings in permanent teeth
- Class I, III and V laminated fillings in permanent teeth – the "sandwich" technique
- Class I, II, III and V fillings in deciduous teeth
- Adhesive liners under composite or amalgam fillings
- Lost dentin build-ups before preparation for crowns, inlays or onlays, event. aesthetic veneers