

**IRM®****Intermediate Restorative Material**37  
years**Generic description/Marketing slogan**

- ZOE temporary restorative material and base material
- THE proven long-term temporary filling material

**Short product description/Key properties**

IRM is a zinc oxide-eugenol composition with polymer reinforcement. Among the many applications are: restorations of deciduous teeth (when permanent teeth are two years or less from eruption), restorative emergencies, caries management program, dental schools clinics and public dental programs.

**Indication**

- Classification: Intermediate Restorative Material Type III, Class I.
- IRM is a reinforced zinc oxide-eugenol composition for intermediate restorations lasting up to one year. It can also be used as a base under non-resin restorations.

**Features**

High mechanical strengths  
 Dosage 1:1 but adaptable in P/L version  
 Caps  
 Polymer reinforced ZOE composition

**Benefits**

Intermediate restoration last up to one year  
 Can be adapted to a dryer or a wetter mix as necessary  
 For an easy direct mix  
 Strong material that will not break down  
 Can be used as a safe long term temporary restoration

For better dentistry

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### Other Dental Brands in this segment

Harvard Cement (Richter&Hoffmann), Cavit™, Ketac™Fil (3M™ESPE™), Clip (Voco)

### USP

Long term intermediate, evidence proven, with anti- inflammatory side effect.

### Composition

IRM® Caps™ intermediate restorative material powder is composed of zinc oxide and PMMA powder (polymer reinforced). The liquid is eugenol with acetic acid added have a known hypersensitivity to eugenol or acrylate resins.

### Key material properties

Properties	Caps	Powder Liquid
Compressive strength	10.300 psi, ≈ 71MPa	10.300 psi, ≈ 71MPa
Solubility	0.04%	0.04%
Film thickness	60 Microns	60 Microns
Radiopaque	Yes	Yes
Mix Ratio	NA for pre-measured cap	1 (level scoop) : 1(drop)
Mix time	10 - 12 seconds (in an Amalgamator on 4200 RPM's)	1 minute
Work time	4 minutes	4 minutes
Shelf life	1.5 years	2 years

### Launch date

1968

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### Presentation forms

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IRM® Powder/Liquid Standard Package	Powder 40 g, Liquid 15 ml	606.61.500
IRM® Refills		
Powder	40 g	606.61.520
Liquid	15 ml	606.61.510
IRM® Caps Standard Package	50 caps (285 mg/cap)	610200

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