Resin-based composite (low-viscosity)

**Indication**
- Dental caries
- **ICD11 code: DA08.0**

**Medicine type**
- Chemical agent

**List type**
- Core

**Additional notes**
- Of any type for use as dental sealant

**Formulations**
- Local > Topical > Other: Single-use applicator or multi-use bottle

**EML status history**
- First added in 2023 (TRS 1049)

**Sex**
- All

**Age**
- Also recommended for children

**Therapeutic alternatives**
- The recommendation is for this specific medicine

**Patent information**
- Patents have expired in most jurisdictions
  - [Read more about patents.](#)

**Wikipedia**
- Resin-based composite (low-viscosity)

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**Summary of evidence and Expert Committee recommendations**

The Expert Committee recommended the inclusion of resin-based composites on the core list of the EML and EMLc for use as dental sealants (low-viscosity forms) and as filling materials (high-viscosity forms) in the prevention and treatment of dental caries. The Committee noted that these products are effective and safe and have functional and aesthetic advantages compared to glass ionomer cement, however they require more specialized expertise and facilities for application. The Committee noted that the availability of effective alternatives to dental amalgam is important to enable parties to the Minamata Convention on Mercury to achieve the mandated phase-down of dental amalgam use, decreasing environmental mercury pollution.