


3M ESPE glass ionomers: High performance filling materials



■ **Moisture-resistant**

■ **Bio compatible**
(no monomers)

■ **Fastest handling/setting**
(ideal for paediatric)

■ **Self-adhesive**
(no bonding)

■ **Caries protective**
highest fluoride release

■ **More content**

■ **Extended range of indications**
no additional coating

■ **Dimensional stability**
(no shrinkage, tooth-like temperature expansion)









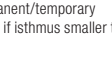
■ **Long-term stability**
on minimal invasive restorations

■ **No coating**
(no protective varnish)

3M ESPE

At a glance: Ketac™ Family & Friends

| PROPERTIES | Ketac™ Molar | Ketac™ Molar Quick | Ketac™ Fil Plus | Photac™ Fil Quick | Vitremer™ | Ketac™ Silver |
|---|--------------|--------------------|-----------------|-------------------|-----------|---------------|
| Self-adhesive | • | • | • | • | • | • |
| Application without conditioning | | | | • | | |
| Time savings through light-curing | | | | • | • | |
| Enhanced aesthetics thanks to strontium glass | | | • | • | | |
| Level of fluoride release | + | + | +++ | ++++ | ++ | ++ |
| Accelerated processing | | • | | • | | |
| Low viscosity – good flow properties | | | • | • | | |
| High viscosity – “packable” consistency | • | • | | | • | |
| High abrasion resistance | • | • | | | • | |

| INDICATIONS | | Ketac™ Molar | Ketac™ Molar Quick | Ketac™ Fil Plus | Photac™ Fil Quick | Vitremer™ | Ketac™ Silver |
|--------------------------|---|----------------|--------------------|-----------------|-------------------|----------------|----------------|
| Class I |  | • ² | • ² | • ¹ | • ^{1,3} | • ³ | • ¹ |
| Class II |  | • ⁴ | • ⁴ | | • ³ | • ³ | |
| Class III |  | • | • | • | • | • | |
| Class V |  | • | • | • | • | • | • |
| Base material/liner |  | • | • | | | • | • |
| Fissure sealant |  | • | • | • | • | | |
| Primary teeth filling |  | • | • | • | • | • | • |
| Temporary restoration |  | • | • | | | • | • |
| Core build up |  | • | • | | | • | • |
| Use in case of xerostomy | | | | • | • | • | |

¹ small fillings

³ semi-permanent/temporary

² not occlusion-bearing areas

⁴ permanent, if isthmus smaller than 1/2 intercuspal distance