AUSTRALIAN
DENTAL COUNCIL

# Resin composite restoration (posterior tooth)

| Observation | Very good | Satisfactory | Borderline | Unsatisfactory |
|---|---|---|---|---|
| Restoration integrity | Restoration present and intact | n/a | n/a | Restoration fractured, loose or missing<br>Excessive use of flowable resin composite |
| Polish | Highly polished | Some minor polishing required | Generalised roughness | Excessive roughness that cannot be polished without compromising anatomy |
| Material handling (porosities/incremental lines) | No porosities or incremental lines | Minor porosities or incremental lines that do not affect durability or aesthetics | Porosities or incremental lines present that may affect durability or aesthetics | Excessive porosities or incremental lines requiring replacement of restoration |
| Resin curing | Resin fully cured | n/a | n/a | Uncured resin present |
| Debris (i.e. bond, flowable, composite resin) | No debris or excess material left beyond the assessment tooth | Minor debris or excess material left beyond the assessment tooth that can be self-managed by the patient | Moderate debris or excess material left beyond the assessment tooth that requires intervention by the practitioner | Significant debris or excess material beyond the assessment tooth that affects function (i.e. flossing) |

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|---|---|---|---|---|
| Tooth/restoration junction (deficiency/excess) | Junction of restoration/tooth not detectable by probe | Junction of restoration/ tooth just detectable by probe | Excess or deficiency at one or more points on margin <0.5 mm wide | Distinct excess or deficiency at one or more points on margin >0.5 mm wide |
| Cervical overhang(s) | No cervical overhang(s) present | Slight cervical overhang(s) just detectable by floss | Excess composite at cervical margin(s) that can be corrected without requiring replacement | Excess composite at cervical margin(s) that cannot be corrected, requiring repair or replacement |
| Damage to adjacent or assessment tooth/teeth | No damage to adjacent tooth or assessment tooth | Minor damage to adjacent tooth and/or assessment tooth not requiring adjustment | Moderate, correctable damage to adjacent tooth and/or assessment tooth that does not require restoration | Major damage to adjacent tooth and/or assessment tooth requiring restoration |
| Damage to gingiva | No damage to gingiva | Minor scratches on adjacent gingivae | Minor cuts or other damage on adjacent gingivae | Major damage to adjacent gingiva |
| Tightness of proximal contact(s) | Optimal tightness of contact(s) | Slightly light or slightly tight proximal contact(s) | Very light or very tight proximal contact(s) | Proximal contact(s) absent or unable to pass floss through contact(s) |
| Restoration morphology: proximal surface contour | Optimal contour width and height | Proximal contour slightly broad or slightly occlusally or gingivally placed | Poor proximal contour | Proximal contour does not resemble correct anatomic form |

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|---|---|---|---|---|
| Restoration morphology: other surfaces | Optimal restoration of morphologic tooth contours | Restoration morphology mostly resembles original anatomy | Poorly defined/ non-anatomical morphology | Absence of tooth morphology and/or excessive depth of occlusal contouring requiring replacement |
| Cusp height | Optimal restoration of cusp height | Cusp height over/ under- contoured by <0.5mm | Cusp height over/ under- contoured by 0.5–1.0mm | Cusp height over/ under- contoured by >1.0mm |
| Cusp tip position | Optimal cusp tip positioning | Cusp tip position is in functional occlusion | Cusp tip position is incorrect but can be adjusted to functional occlusion without requiring replacement | Cusp tip position is incorrect and cannot be adjusted to functional occlusion Requires repair or replacement |
| Marginal ridge height | Optimal margin ridge height | Slight discrepancy in marginal ridge height, but functional | Marginal ridge height discrepancy of <0.5mm | Marginal ridge height discrepancy >0.5mm |