

IMPORTANT information for uncatalysed LR White

THE ADDITION OF BENZOYL PEROXIDE CATALYST TO LR WHITE RESIN SUPPLIED IN UNCATALYSED FORM

The catalyst supplied by Science Services for addition to our LR White Resin is a form of Benzoyl Peroxide in a solid solution to render it safe in transit. One 500g bottle of LR White Resin now requires 9,9g of catalyst to be added. If bought in pre-measured aliquots from us, one aliquot should be added to each bottle.

The catalyst should be added to resin at room temperature and the resin must be shaken thoroughly immediately after addition of catalyst. The catalyst will take a full 24 hours at room temperature to dissolve completely. During this time it is most helpful if the bottle can be shaken from time to time. Do not attempt to heat the resin in order to speed the dissolution of the catalyst. Once mixed and fully dissolved the resin must be stored at 4°C to maintain its shelf life. Once catalysed, LR White's shelflife is twelve months if stored carefully.

Freshly catalysed and thoroughly oxygenated resin may take a little longer than normal to polymerise. A test aliquot should be polymerised at 60°C for 24 hours as a quality control measure. In the unlikely occurrence of this not polymerising satisfactorily, please contact Science Services for further advice.

We do not advise catalysing less than 500g (one full bottle) of LR White Resin as it can be difficult to accurately measure smaller quantities of the reagents.

LR White Resin with insufficient catalyst will normally polymerise eventually by thermal curing, though curing times may be protracted. If polymerised using LR White Accelerator however, it may only cure to a gel.