



# GemCo Limited

Specialty Coatings & Chemicals

## 4.153 GEMCOAT LR 4:1 EPOXY LAMINATING RESIN

### Composition and Properties

GEMCOAT LR 4:1 is a two pot epoxy resin formulated for use as a hard, resistant, clear laminating resin for fibreglass, timber, concrete, and other materials.  
It can also be used as an adhesive, a clear finish coat, and filling cavities (decoupage).  
When filled with microballons or similar it can be used as a sandable filling coat.  
It has very good impact resistance, flexibility, and colour stability.  
It can be tinted with the correct tinters – contact GemCo Ltd.

### Physical properties

Appearance:	Base - low viscosity clear liquid Hardener - low viscosity clear liquid
Odour:	low odour
Flammability:	non flammable
Solids:	100%
Coating Type:	Epoxy
Packaging:	1.25, 5, 20 litre ,two part pack (also available in 200L drums)
Mix ratio:	4:1(base : hardener) Pot Life: Approximately 30min @ 20 °Celsius (122g mix)
Coverage:	5-10 sq metres/litre typical ( depends on substrate)
Dry to Recoat:	Typically overnight - will vary according to temperature & humidity

### Surface Preparation

All contaminants must be removed from surfaces to be laminated.  
A test patch is recommended if the product has not been used before.  
Sanding between coats is recommended

### Method of Application

Add 1 part hardener to 4 parts base (by volume) and thoroughly mix - a drill with a mixing blade is recommended.  
Mixing small quantities at a time is recommended particularly in hot climates.  
GEMCOAT LR 4:1 is applied by brush or roller when laminating.  
GEMCOAT LR 4:1 should be recoated within 24 hours – sanding between coats is recommended after 24 hours.  
GEMCOAT LR 4:1 can be cut & polished although this not usually necessary.  
When filled with microballons or similar it can be used as a sandable filling coat.  
Fumed silica or similar can be used to thicken GEMCOAT LR 4:1 for use as an adhesive.

### Handling Precautions

Avoid contact with eyes and. Do not ingest. Use with adequate ventilation. Use a respirator in confined spaces.  
Protective clothing ,eye protection, and gloves should be worn. Keep away from children.  
5/98

The information provided is accurate to the best of our knowledge. We can not however anticipate all conditions under which this information and our products may be used. We therefore accept no responsibility for results obtained by the application of our products, or for their safe use and suitability. GemCo Limited sells these products without warranty and buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of our products.