

## CAPPING CEMENT SPECIFICATION

**Grade Name: K134 T**

**Applications:**

Eco cement grade suitable for linear fluorescent lamps. When tubes are crushed for disposal at end of life, this cement reduces the mercury levels available for leaching from landfill sites.

**Physical appearance:**

Powder appearance: Fine light green powder  
 Paste appearance: Smooth green paste  
 Cured appearance: Dark green expanded solid

**Physical properties:**

Solvent	ethanol	
powder :solvent ratio	100 gms: 8.5 mls	
Viscosity	285-315 (+/- 5)	10ths/ mm paste penetration @ 23 °C
Powder density	1.2 – 1.5	g/cm <sup>3</sup> (tapped)
Paste density	2.2 – 2.7	g/cm <sup>3</sup>
Average expansion	80-90	%
Moisture resistance	good	
Paste storage life:	2 weeks	Stored in sealed containers @21 °C (Note- Higher temperatures <u>reduce</u> life)
Powder storage life	12 months	See below

**The above properties are given for guidance purposes only. Individual customer requirements should be assessed prior to the use of cement. Technical assistance and test methods are available on request.**

**Health and Safety data sheets are available upon request**

The information contained on this specification sheet is given in good faith and does not constitute a warranty or guarantee for the customer. Customers are advised to ensure that all products are thoroughly tested to ensure suitability for the intended application.



## Capping cement information

### Powder Storage conditions

Keep containers tightly closed, store in a cool dry place out of direct sunlight. Under normal conditions (21°C) a shelf life of 12 months is possible. Higher temperatures and humidity will reduce shelf life resulting in poor paste formation and may cause the powder to form lumps.

### Recommended cleaning solvent

Ethanol, isopropanol

### Recommended mixing sequence

1. Place alcohol in mixing vessel
  2. Add half of powder
  3. Mix for 5 minutes\*
  4. Add remainder of powder
  5. Mix for a further 15 minutes\*
  6. Allow to stand for 1 hour before use
- \*mixing times vary

### Recommended mixing machines

Hobart  
Winkworth  
Z Blade type  
Bowers Molteni

### Recommended quantity of paste by cap type (for guidance only)

T8	1.0-1.2 gms
T10	1.3-1.5 gms
T12	1.6-1.8 gms

### Curing Parameters

As cement curing is influenced by paste weight, curing temperature and time, precise figures cannot be given. For guidance purposes:  
2 grams of paste @300 C will cure in 10-15 seconds  
2 grams of paste @200 C will cure in 35- 40 seconds  
2 grams of paste @160 C will cure in 150- 160 seconds

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Glassbond (NW) Ltd, West Side Industrial Estate,  
Jackson Street, St Helens, Merseyside, WA9 3AT, England  
Tel: + 44 (0) 1744 730 334 Fax: +44 (0) 1744 453 242  
Website: [www.glassbond.co.uk](http://www.glassbond.co.uk)  
Directors : PJ Randell Managing Director, RJ Randell, DJ Randell (M.I.M)  
Glassbond (NW) Ltd. Registered office: West Side Industrial Estate  
Registered in England No 1378679

