

## **CAPPING CEMENT SPECIFICATION**

### **Grade Name: K66/M**

#### **Applications:**

High performance grade for incandescent lamps required to stand 2500 hours at 210°C. Can also be used for HEI, decorative and reflector lamps.

#### **Physical appearance:**

Powder appearance:	Fine off white powder
Paste appearance:	Smooth light green coloured paste
Cured appearance:	Light straw coloured expanded solid

#### **Physical properties:**

Solvent:	ethanol (94%)	
Powder:solvent ratio:	10.0	L/100Kg powder @ 23°C
Viscosity:	310 - 340 (+/- 5)	10ths/mm paste penetration @ 23°C
Powder density:	1.05	g/cm <sup>3</sup> (tapped)
Paste density:	1.9 - 2.1	g/cm <sup>3</sup>
Average expansion:	100	%
Moisture resistance:	good	
Paste storage life:	6 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.

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Glassbond (NW) Ltd. Registered office: West Side Industrial Estate  
Registered in England No 1378679



## 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)

B22d	1.5 - 1.7 g
E27	1.6 - 1.8 g
B22d	1.2 - 1.4 g
E14	0.9 - 1.0 g
B15d	0.9 - 1.0 g
T8	0.8 - 1.2 g
T10	1.3 - 1.5 g
T12	1.6 - 2.0 g

### 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 @200°C will cure in 35 - 40 seconds
- 2 grams of paste @160°C will cure in 150 - 160 seconds

Prolonged exposure of curing cement to temperatures above 250°C should be avoided

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