CAPPING CEMENT SPECIFICATION

Grade Name: K132 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: 9 mls	
Viscosity	285-315 ($^{+}/_{-}$ 5)	10ths/ mm paste penetration @ 23 °C
Powder density	1.1 – 1.4	g/cm^3 (tapped)
Paste density	2.1 – 2.6	g/cm^3
Average expansion	80-90	%
Moisture resistance	good	
Paste storage life:	2 weeks	Stored in sealed containers @21 °C (Note- Higher temperatures reduce 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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Capping cement information

Powder Storage conditions	Keep containers tightly closed, store in a cool dry place out of direct sunlight. Under normal conditions (21ºC) 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	Not applicable	
Recommended mixing machines	Hobart Winkworth Z Blade type Bowers Molteni	
Recommended quantity of paste by cap type (for guidance only)	T8 T10 T12	1.0-1.2 gms 1.3-1.5 gms 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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