



ISO 9001:2000
ISO 13485:2003

Sure Ortho Glass Ionomer Band Cement GLASS IONOMER BAND CEMENT
TECHNICAL DATA

Material Class	Conventional glass-ionomer cement	
Material Description	Orthodontic Glass-ionomer cement	
Recommended medical device classification acc. to MDD	Class IIa (93/42 EEC)	
Relevant Standards	ISO 9917	
	Parameter	Typical values
Typical composition	<u>Powder:</u> Strontium alumino silicate glass and dried polypolyacids <u>Liquid:</u> aqueous solutions of polyacids	
Working properties	Mixing ratio (powder/liquid) Mixing time [sec.] Working time at 22°C [min.] Net Setting Time at 37°C [min.]	1,8 : 1,0 30 2:30 3:30
Physical Properties	Compression strength, 24-hours [MPa] Diametral Tensile Strength [MPa] Flexural Strength [MPa] Barcol hardness (24h) Fluoride release 6m [µmol/l] Adhesion to enamel [MPa] Acid Solubility lead [ppm] Acid Solubility arsenic [ppm] Solubility water [%]	70 8 12 40 1500 10 < 100 < 2 < 0,02
Storage		4-25 °C (39-78 °F)
Shelf life	From the date of manufacture	2 years

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