



HENG HARDWARE ENGINEERING PTE LTD

Manufacturer of Lightning Protection & Earthing Systems

Manufacturer of Cable Termination Systems



CONCAST SEALANT - 310ML

Silicone Structural Glazing Sealant

Product Description

Concast Silicone Structural Glazing Sealant is a one – component, high – strength neutral cure sealant specially designed and tested for structurally glazed curtain wall applications.

Performance Characteristics

High – strength structural sealant with primerless adhesion to many building substrates.

Technical Data

Concast Silicone Structural Glazing Sealant exhibits excellent resistance to ultraviolet radiation, ozone, high and low temperatures and water (liquid or vapor). It is compatible with many types of coated glass, metal finishes, glazing gaskets, setting blocks and spacers. The product has been tested on a project – by – project basis each substrate and component used in a structural glazing assembly for adhesion and compatibility to assure optimum performance. No blanket approvals will be issued relative to adhesion or compatibility of Concast Silicone Structural Glazing Sealant with such materials.

Typical Properties

<i>As Supplied</i>	Value	Test method
Color	Clear	
Shore A Hardness	35	ASTM D2240
Ultimate Tension Strength	300 psi	ASTM D412
Ultimate Elongation, %	550	ASTM D412
Tension at 50% Elongation	60 psi	ASTM D412
Tension at 150% Elongation	130 psi	ASTM D412
Specific Gravity	1.52	
Application Rate	300 gms/ minute	ASTM C603
SAG/ Slump	0.1* max	ASTM C639
Peel Strength	50 ppi	ASTM C794
Aluminum – glass (21 – day cure)		
70°F (21°C) 50% R.H.		
Joint Movement Capability	±50%	ASTM C719
Ozone and U.V. Resistance	Excellent	ASTM C739
Tack Free Time (hours)	2 ½	ASTM C679
Cure Time (days) (1/4* deep)	5 – 7	
@ 70°F (21°C) 50% R.H.		
Full Adhesion (days)	14 – 21	
Tooling Time (minutes)	30	

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7 Yishun Industrial Street 1, #01-47 North Spring Bizhub, S(768162) Tel: 68464111 Fax: 68464222

E-Mail: sales@heng.com.sg