



Ideal Chemical Products Ltd

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Ideal Food Grade Silicone Sealant

DESCRIPTION

A fast curing flexible silicone suitable for use in food preparation areas.

USES

For use in areas where food contact may occur. It is suitable for applications in refrigeration units and coldroom environments due to high resistance to mildew and mould growth. **Conforms to ISO 11600 G20 HM, DIN 18545-C, BS 5889 part B and FDA 21 CFR 175.105.**

COLOUR: White

PACKAGING: 310ml cartridge packed 1 x 25

PREPARATION

Surfaces must be clean, dry and dust free.

APPLICATION

Cut the cartridge seal and screw on the nozzle which should be cut to your required size. Using a skeleton gun, apply the sealant firmly into the gap or joint ensuring a solid fill. If required place masking tape along edges, removing within 5 minutes of application.

FINISHING

Always tool down using a spatula or stick wetted with soapy water within 5 minutes of application. Tack free in approximately 30 minutes. It is the user's responsibility to dispose of all packaging correctly.

HEALTH & SAFETY

Safety data sheet available for professional user on request. Dispose of empty packaging correctly.

IDEAL FOOD GRADE SILICONE TECHNICAL DATA SHEET CONTINUED

LIMITATIONS

Among others not recommended for application on concrete, marble, lead, copper, galvanised steel, PE, PP, Teflon and bituminous surfaces. Not suitable for use with aquaria. Adhesion tests prior to application are recommended. It is the users responsibility to determine suitability.

LIABILITY

The information given is the result of our tests and experience and is believed to be accurate and reliable. However as Ideal Chemical Products Limited cannot know all the uses its products may be put to, and as application methods are out of our control it is the users responsibility to determine suitability of use.

TECHNICAL DATA	DIMENSION	IDEALSEAL FOOD GRADE SILICONE
Basis		acetoxy silicone
Application Temperature	°C	+5/ +40
Application Rate	g/ min	250
Application Rate 3mm/6.3 bar		
Flow ISO 7390	mm	<2
Density	g/ml	1,06
Skin over time 23°C/ 55% RF	min	4
Frost resistant till -15°C during transport		Yes
Shelf life between +5°C and +25°C	month	24
Paintable after curing		No
Joint movement capability	%	+25
Temperature resistance after curing	°C	-50/ +200
<i>Mechanical properties</i>		
<i>2mm film</i>		
Shore-A hardness (3s) DIN 53505		32
100% Modulus DIN 53504	MPa (N/mm ²)	0,60
Tensile Strength DIN 53504	MPa (N/mm ²)	2,50
Elongation DIN53504	%	500
Joints	Width	Depth
Minimum width	4 mm	
Maximum width	25 mm	
Joint connection	4 - 8 mm	6 mm
	10 - 12 mm	8 mm
	14 - 16 mm	10 mm
	18 - 20 mm	12 mm
	22 - 24 mm	14 mm

QUANTITY ESTIMATOR

Width x depth of joint x length (in linear metres) of joint, divide this by the volume of tube in ml = number of cartridges required.