IDEALSEAL FOOD GRADE SILICONE (CLEAR) TECHNICAL DATA SHEET

Idealseal Food Grade Silicone (Clear)

A neutral curing, bacteria resistant silicone sealant free of solvents and mineral oils formulated for use in food preparation areas, cold and clean rooms.



Description

Idealseal Food Grade Silicone combines superior neutral curing technology free of solvents and mineral oils with food grade anti-fungal compounds to provide a low odour, water tight, pressure wash resistant, flexible seal which inhibits mould and bacteria growth. The sealant is suitable for the majority of applications with excellent adhesion to both porous and non-porous surfaces accommodating joint movement of + or -25%. Approved for use in food preparation areas by ISEGA to EN1186, EN1313O and CEN/TS 14234.

Uses

Idealseal Food Grade Silicone is suitable for sanitary, building, glazing and façade applications where joints are susceptible to mould, mildew and bacterial growth. It is commonly used for sealing clean rooms, commercial food preparation areas, cold room environments, refrigeration units and air conditioning systems.

In addition, the sealant can also be used for connection and expansion joints, glazing systems including the bedding of double glazed units, kitchens, bathrooms and showers.

Technical Detail

	Base		2-Pentanone Oxime
	100% Modulus	DIN 53504 S2	0.25 N/mm ²
	Application		+ 5°C to
	temperature		+40°C
	Curing time	@ +23°C/50%	2-3mm/24 hours
	Donaity	ISO 1183-1	
	Density	150 1165-1	1.02g/ml
	Elongation at break	DIN 53504 S2	500%
	Frost		
	resistance		Up to -15°C
	during		
	transportation		
	Joint		25%
	movement		2070
	Shorea	DIN 53505	15
	hardness	2	
	Skin	DBTM 10	8 minutes @
	formation	BBTITTE	+23°C/50%RH
	Temperature		- 50°C to
	resistance		+120°C
	Tensile	DIN 53504 S2	1.20 N/mm ²
	strength	DIN 33304 32	1.20 IN/IIIIII

Colour

Clear

Packaging

310ml x 12

Application

Surfaces must be dry and dust free. Cut the cartridge seal and screw on nozzle which should be cut to required size. Gun the sealant firmly into joint ensuring no air is trapped behind. If required place masking tape along joint edges, removing within 5 minutes of application.



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Limitations

Not recommended for use on PE, PP, PMMA and PTFE.

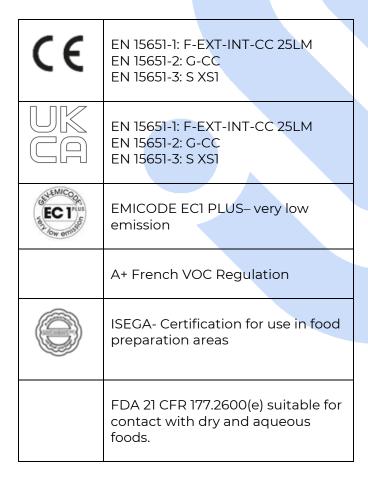
Paintability

Idealseal Food Grade Silicone is not paintable. It is recommended to cover the edges of the joint you plan to paint with masking tape to prevent surface contamination by the silicone.

Shelf Life

In unopened original packaging between + 5°C and +25°C, shelf life up to 24 months from production date stated on the tube, store in a dry place

Certifications



Health and Safety

Safety data sheet (MSDS) must be read and understood before use of the product this is available on request and via www.idealsealants.com.

Liability

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

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