



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, EN13130 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 temperature		+ 5°C to +40°C
Curing time	@ +23°C/50% RH	2-3mm/24 hours
Density	ISO 1183-1	1.02g/ml
Elongation at break	DIN 53504 S2	500%
Frost resistance during transportation		Up to -15°C
Joint movement		25%
Shorea hardness	DIN 53505	15
Skin formation	DBTM 10	8 minutes @ +23°C/50%RH
Temperature resistance		- 50°C to +120°C
Tensile strength	DIN 53504 S2	1.20 N/mm ²

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.

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

	EN 15651-1: F-EXT-INT-CC 25LM EN 15651-2: G-CC EN 15651-3: S XSI
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	EMICODE EC1 PLUS- very low emission
	A+ French VOC Regulation
	ISEGA- Certification for use in food preparation areas
	FDA 21 CFR 177.2600(e) suitable for contact with dry and aqueous foods.

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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