



Idealseal Food Grade Silicone (White)

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	0.35 N/mm ²
Application rate	@ Ø3mm/6.3 bar	130g/min
Application temperature		+ 5°C to +40°C
Curing time	@ +23°C/50% RH	2-3mm/24 hours
Density	ISO 1183-1	1.22g/ml
Elongation at break	DIN 53504 S2	550%
Frost resistance during transportation		Up to -15°C
Joint movement		25%
Shorea hardness	DIN 53505	19
Skin formation	DBTM 10	8 minutes @ +23°C/50%RH
Temperature resistance		- 50°C to +120°C
Tensile strength	DIN 53504 S2	1.30 N/mm ²

Colour

White

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
	EN 15651-1: F-EXT-INT-CC 25LM EN 15651-2: G-CC EN 15651-3: S XSI
	EMICODE EC1 PLUS- very low emission
	A+ French VOC Regulation M1 Indoor Air Comfort Gold® BREEAM International Compliant E1 EN 717-1§
	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.

Disclaimer

All information in this document and in all our other publications (including electronic ones) is based on our current knowledge and experience and is the exclusive (intellectual) property of Ideal Sealants Ltd. No part of this document may be copied, shown to third parties, reproduced, communicated to the public or used in any other way without Ideal Sealants Ltd written consent. The technical information in this document serves as an indication and is non-exhaustive. Ideal Sealants Ltd is not liable for any damage, either directly or indirectly, due to (editorial) errors, incompleteness and/or incorrectness of this document. This includes, but is not limited to, incompleteness and/or incorrectness due to technological changes or any research conducted between the date of publication of this document and the date on which the product is acquired. Ideal Sealants Ltd reserves the right to amend the wording of this document. Ideal Sealants Ltd cannot be held liable for any damage, either directly or indirectly, due to the use of the product(s) depicted in this document. The user must read and understand the information in this document and other documents relating to the products prior to the use of the product. The user is responsible for performing all the requisite tests to make sure that the product is suitable for its intended use. We have no influence in what way the product is applied and/or any circumstances relating to events occurring during storage or transport and therefore we do not accept any liability for damage whatsoever.