



Idealseal Universal FS Silicone

Premium mildew resistant multipurpose acetoxy silicone sealant safe for food contact.



Description

Idealseal Universal FS Silicone combines premium acetoxy curing technology free of solvents and mineral oils with sanitary grade anti-fungal compounds to provide a colourfast, watertight, non-shrinking, weather resistant, flexible seal which resists mould, mildew, and bacterial growth. The sealant has excellent adhesive properties accommodating joint movement of + or - 20%. It is temperature resistant between -40°C to +180°C and will not crack, harden, or dry out. Approved for food contact by IANESCO following FDA specifications to 21 CFR 177.2600(e).

Uses

Idealseal Universal FS Silicone is suitable for a wide range of internal and external applications. It is commonly used for sealing around baths, shower trays, basins, sanitary ware, worktops, and tiled areas. In addition, it is used for perimeter sealing around window and door frames, top sealing

glazing and curtain walling, draught proofing, sealing cladding, sealing panels within cold stores and sealing floor to wall joints. It is also compatible with most common building materials including PVCu, glass, glazed surfaces, porcelain, coated metal, epoxy, and polyester panels, finished wood, vinyl, leather, rubber and plastics.

Technical Detail

Base		Acetoxy
100% Modulus	DIN 53504 S2	0.41 N/mm ²
Application rate	@ Ø3mm/6.3 bar	125g/min
Application temperature		+ 5°C to +40°C
Curing time	@ +23°C/50% RH	2mm/24 hours
Density	ISO 1183-1	1.03g/ml
Elongation at break	DIN 53504 S2	565%
Frost resistance during transportation		Up to -15°C
Joint movement		20%
Shorea hardness	DIN 53505	20
Skin formation	DBTM 10	5-6 minutes @ +23°C /50%RH
Temperature resistance		- 40°C to +180°C
Tensile strength	DIN 53504 S2	1.70 N/mm ²

Colour

Aluminium/Black/Clear/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, PTFE, soft plastics, neoprene, and bituminous substrates.




Paintability

Idealseal Universal 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 20LM EN 15651-2: G-CC EN 15651-3: S XS1
	EN 15651-1: F-EXT-INT-CC 20LM EN 15651-2: G-CC EN 15651-3: S XS1
	EMICODE EC1 PLUS– very low emission
	A+ French VOC Regulation
	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.