



IDEAL SEALANTS

IDEALSEAL MS290 MS POLYMER (COLOURS) TECHNICAL DATA SHEET

Idealseal MS290 MS Polymer (Colours)

The ultimate all in one anti-pick sealant and adhesive for wet or dry applications even cures underwater.



Description

Idealseal MS290 is the ultimate all-round sealant and adhesive offering a durable, flexible, environmentally friendly alternative to traditional sealants, adhesives and putty. It is odourless, non-toxic, low V.O.C., free of isocyanates, solvents and silicones. MS290 has excellent adhesion to dry and wet surfaces without the risk of shrinkage or bubbling and will even cure underwater. Once cured it is paintable and resistant to chemical, fungal and bacterial attack. Tested to EN1186, EN13130, CEN/TS 14234 and approved for use in food preparation areas. Also tested and approved for use on self-cleaning glass.

Uses

Idealseal MS290 is suitable for virtually any application where a sealant, adhesive or filler is required. It will seal and bond; wood, glass, ceramics, concrete, metals including lead, fibreglass, EPDM, butyl rubber, vinyl and most plastics.

Common applications include automotive, bathroom and wet room, caravan and mobile home, marine, pond and general construction. MS290 is also suitable for use in correctional institutions and areas where vandalism of sealant may occur due to its excellent anti-pick qualities. Furthermore, it can be used safely in cleanrooms and cold storage.

Technical Detail

Base		MS Polymer
100% Modulus	DIN 53504 S2	1.15 N/mm ²
Application rate	@ Ø2.5mm/ 6.3 bar	100- 300g/min
Application temperature		+ 5°C to +40°C
Curing time	@ +23°C/50% RH	2-3mm/24 hours
Density	ISO 1183-1	1.56g/ml
Elongation at break	DIN 53504 S2	350%
Frost resistance during transportation		Up to -15°C
Joint movement		25%
Shorea hardness	DIN 53505	52
Skin formation	DBTM 16	10 minutes @ +23°C/50%RH
Temperature resistance		- 40°C to +90°C
Tensile strength	DIN 53504 S2	2.00 N/mm ²

Colour

Black/Grey/White

Packaging

290ml x 12

Application

Surfaces must be algae, grease, and dust free. Ensure temperature is above 5°C (for underwater applications ensure water temperature is above 5°C).



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

Due to the large diversity of surfaces a compatibility and adhesion test is advisable prior to application.

Paintability

This product is paintable with most water based and two component paints. A compatibility test before application is recommended. Not paintable with alkyl resin paints.

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 25HM EN 15651-3: S XS3 EN 15651-4: PW-EXT-INT-CC 25HM
	EMICODE EC1 PLUS- very low emission
	ISEGA- Certification for use in food preparation areas
	A+ French VOC Regulation LEED Emission Certificate M1

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 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 user's responsibility to determine suitability of use.

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