

MasterSeal® 122

Multi-purpose, premium quality, silicone sealant

DESCRIPTION

MasterSeal 122 is a versatile, neutral cure silicone sealant, having exceptional bond to most surfaces without primer. It is virtually odorless during cure. It is non-slump, with excellent resistance against UV, weather, and water, which can be used in vertical and horizontal joints, in internal and external environments, to provide a long-term, durable, elastic seal.

RECOMMENDED USES

MasterSeal 122 has been developed to form a durable elastic seal for vertical and horizontal, sanitary, building, glazing and façade joints in internal and external areas.

Because it is neutral curing, **MasterSeal 122** can also be used to provide long lasting elastic sealing of movement & construction joint in concrete, blockwork, and brick masonry without priming.

Also recommended for curtain wall construction, glazing systems, swimming pools, bathrooms, showers, kitchens, and wet rooms having with anti-fungal property for use in residential, commercial, and industrial buildings.

FEATURES & BENEFITS

- **Neutral Cure & almost odorless** – Can be used for enclosed areas
- **Primer less application on most common substrates** – Faster application, Saves time and money
- **Excellent UV, weather & water resistance**
- Durable and long service life
- **Range of colors** - Retains surface aesthetics

APPROVALS & CERTIFICATES

Conforms to ASTM C920 Type S, Grade NS, Class 50.

Meets the requirements of the latest European Standard for elastomeric joint sealants

EN 15651-1: F-EXT-INT-CC 25LMEN 15651-2: G-CC 25LM

EN 15651-3: S XS2

PROPERTIES

Cure mechanism	Neutral cure with atmospheric moisture
Density	1.02g/ml
Application temperature	+5°C to 40°C

PERFORMANCE DATA

Shore A Hardness(DIN 53505)	16
Movement Accommodation Factor	±25%
Tensile Strength (N/mm ²)	1
E-Modulus at 100% (N/mm ²)	0.35
Ultimate elongation at break (%)	500
Skin formation time (mins)(23°C 55% RH)	10
Rate of cure (mm/day)(23°C 50% RH)	2
Application rate (g/min)(3mm / 6 Bar pressure)	139
Flow (slump) vertical(ISO 7390)	<2mm
Shrinkage	<5%
Temperature in service (°C)	to
Min	- 50
Max	+120

APPLICATION

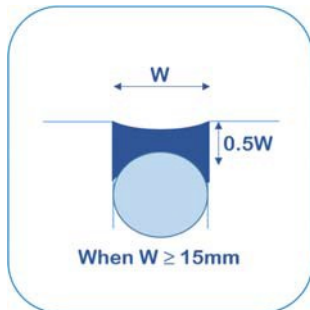
Surface preparation:

To ensure optimum adhesion the joint faces must be sound, clean, dry and free from any loosely adherent material which could prevent adequate bond to the substrate. **MasterSeal 122** adheres perfectly without the use of a primer to most non porous substrates. Strongly porous substrates may need priming using **MasterSeal P 101**. It is good practice to test adhesion before commencing full installation. Protect surrounding surfaces with masking tape if they are to be painted. For swimming pool refer to method statement for application details.

Joint dimensions:

Correct joint design is essential to ensure correct performance of the installed joint sealant. Minimum joint widths should be 6mm. Up to 12mm width depth should equal the width. For all joints 12mm to 15mm wide it is recommended that the depth of the installed joint sealant should be at least 8mm. For joints >15mm the maximum depth should be half the width.

MasterSeal[®] 122



Joint depth is controlled by the use of closed cell backer rod. This also prevents 3 sided adhesion which would be highly detrimental to long term performance of the joint sealant.

Corner beads should be a minimum of 6mm x 6mm.

Application:

Fix cartridge into cartridge gun. Cut screw threaded nipple at end of cartridge. Attach application nozzle. Cut nozzle at 45° so that aperture is equal to width of joint. Gun sealant into joint in one smooth continuous operation ensuring sufficient material is delivered to fill joint. Using a spatula or tooling tool press sealant into joint and onto joint faces while leaving a smooth concave surface. Remove any masking tape used.

CONSUMPTION

Linear meter / 310ml unit

Joint depth (mm)	Joint width (mm) approx.		
	6	12	20
6	8.6	4.3	2.6
8	-	3.2	1.9
10	-	-	1.5

Note: The above coverage rates do not include wastage

WATCHPOINTS

- Not suitable for PE, PP, PC, PMMA, PTFE, Neoprene, and bituminous substrates
- **MasterSeal 122** is NOT paintable.
- Compatibility with glazing edge seals need to be checked individually.
- For application in swimming pools, refer to prescribed method statement.

PACKAGING

MasterSeal 122 is supplied in boxes of 12 x 310ml cartridges.

COLOURS

MasterSeal 122 is available in:

Clear, White (RAL 9010), Light Grey (RAL 7035), Traffic Grey (RAL 7042), Light Ivory (RAL 1015), Black, Mahogany Brown (RAL 8016) and Bronze (RAL 1036)

EQUIPMENT CLEANING

Clean uncured material using a solvent such as xylene or toluene. Cured material can only be cleaned mechanically (Tip: WD 40 can assist to remove cured silicones).

APPLICATION TEMPERATURE RANGE

Minimum	+5°C
Maximum	+40°C

STORAGE AND SHELF LIFE

MasterSeal 122 has a shelf life of 18 months from production date when stored in its original packaging at temperatures between 5°C and 25°C.

HEALTH AND SAFETY

May produce an allergic reaction.

Contains: 4,5-DICHLORO-2-OCTYL-2H-ISOTHIAZOL-3-ONE.

Avoid contact with the skin, eyes and clothing.

On skin contact:

Wash thoroughly with soap and water. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Rinse mouth and then drink plenty of water. Do not induce vomiting unless told to by a poison control center or doctor.

No special measures necessary if stored and handled correctly. Handle in accordance with good building materials hygiene and safety practice. Wearing of closed work clothing is recommended.

When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).

MasterSeal[®] 122

NOTE

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local Master Builders Solutions representative. Master Builders Solutions reserves the right to have the true cause of any difficulty determined by accepted test methods.

QUALITY AND CARE

All products originating from Master Builders Solutions Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and OHSAS 18001.

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STATEMENT OF RESPONSIBILITY

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NOTE

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