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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, low viscosity, 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.

TYPICAL 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, bathrooms, showers, kitchens and wet rooms having with anti-fungal property for use in residential, commercial and industrial buildings.

ADVANTAGES

- Neutral cure, almost odourless.
- Perfect bond without primer on most common substrates: saves time and money
- High quality silicone: excellent UV, weather and water resistance, elasticity and resilience and long service life
- Resistant to mold and mildew even in high moisture and temperature environments.
- Range of colours: standard commonly used colours available

PACKAGING

MasterSeal 122 is supplied in boxes of 24 x 280ml cartridges.

COLOURS

MasterSeal 122 is available in:
Clear, White (RAL 9010), Standard colors.
Following non-standard colors can be obtained with MOQ: Light Grey (RAL 7035), Concrete Grey (RAL 7040), Light Ivory (RAL 1015), Black, Mahogany Brown (RAL 8016) and Bronze (RAL 1036)
Note: The colours mentioned are closest match to the RAL Nos.

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.

STANDARDS

Conforms to ASTM C920 Type S, Grade NS, Class 25, Use T2, NT, A, G and M

TECHNICAL DATA*

Cure mechanism	Neutral cure with atmospheric moisture
Specific gravity	0.97
Skin formation time (23°C 55% RH)	10 mins
Tack free time	30 mins
Rate of cure (25°C 50% RH)	3mm/day
Application temperature	+5°C to 40°C
Movement capability	25%
E-Modulus at 100%	0.25N/mm²
Shore A Hardness (ASTM D2240)	20
Ultimate elongation at break	400%
Tensile Strength	0.9N/mm²
Temperature in service	-50°C to +120°C

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

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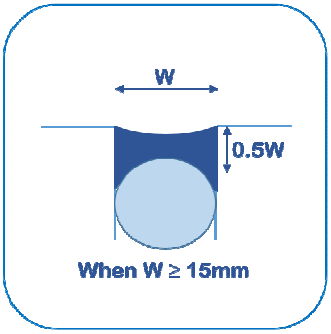
bond to the substrate. **MasterSeal 122** adheres perfectly without the use of a primer to most non porous substrates. Strongly porous substrates may need priming using **MasterSeal P 101.** It is good practice to test adhesion before commencing full installation. Protect surrounding surfaces with masking tape if they are to be painted.

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.



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 / 280ml unit

Joint depth (mm)	Joint width (mm) approx.		
	6	**12**	**20**
6	7.8	3.9	-
8	-	2.9	-
10	-	-	1.4

Note: The above coverage rates do not include wastage

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 12 months from production date when stored in its original packaging at temperatures between 5°C and 25°C.

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HEALTH AND SAFETY

May produce an allergic reaction.
Please refer to Material Safety Datasheet for detailed health and safety information.

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).

NOTE

Field service, where provided, does not constitute supervisory responsibility. For additional sacinformation contact your local BASF representative.

BASF reserves the right to have the true cause of any difficulty determined by accepted test methods.

QUALITY AND CARE

All products originating from BASF's 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 45001.

* Properties listed are based on laboratory controlled tests.

® = Registered trademark of the BASF-Group in many countries.

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BASF Construction Chemicals UAE LLC
P.O. Box 37127, Dubai, UAE
Tel: +971 4 8090800 Fax: +971 4 8851002
www.master-builders-solutions.basf.ae