

MasterSeal NP 472

One-part polyurethane based elastomeric joint sealant

MATERIAL DESCRIPTION

MasterSeal NP 472 is a high performance one component, moisture curing, polyurethane construction sealant. In properly designed and constructed joints the product has been formulated to offer a non - slump elastomeric seal, which exhibits good skin formation time and a fast cure.

TYPICAL USES

MasterSeal NP 472 has been developed specifically for sealing dynamically moving joints such as expansion and control joints. **MasterSeal NP 472** demonstrates high elasticity and recovery properties and therefore may be used to bond and seal most common building materials including concrete, glass, wood, stone, metal and anodised aluminium. In addition, **MasterSeal NP 472** has excellent tear resistance and good weathering characteristics.

ADVANTAGES

- Durable resilient seal.
- Non Staining.
- Primer Free (except M1 smooth mortar).
- Demonstrates good resistance to dilute acids and alkalis.
- Available in grey.

STANDARDS

MasterSeal NP 472 meets ASTM C920:08 Standard Specifications for Elastomeric Joint Sealants.

PACKAGING

MasterSeal NP 472 is supplied in 600ml sausage cartridge.

PERFORMANCE DATA*

Skin formation time (23°C 50% R.H)	3-6 hours
Movement accommodation factor (MAF)	25%
Shore A hardness	25
Speed of Cure (23° 50% RH)	2.5-3mm/24hrs
Modulus of Elongation (ISO 8339)	0.25 MPa
Elongation at break (ISO 8339)	>250%
Temperature resistance	-20°C to + 80°C

SURFACE APPLICATION

Preparation:

To ensure excellent adhesion the joint profile, including arises should be clean, sound, dry and free from any loosely adherent material which could prevent adequate bond to the substrate. UV exposure may cause **MasterSeal NP 472** (White) to discolour. This does not affect the **MasterSeal NP 472** performance.

Application:

MasterSeal NP 472 shall be applied using a conventional sealant application gun, ensuring enough sealant is applied to facilitate the correct width to depth ratio for the joint. Following the application the sealant must be tooled into place to ensure adequate adhesion with the joint profile is achieved. Finally, tool to a neat finish using a solution of soap and water onto a gloved finger or tooling stick.

CHEMICAL RESISTANCE

MasterSeal NP 472 has resistance to:

Dilute acids and alkalis	Medium
Ultra-violet light	Good
Saline solutions	Excellent

MasterSeal NP 472

One-part polyurethane based elastomeric joint sealant

EQUIPMENT CLEANING

It is recommended that **MasterSeal NP 472** be removed immediately from tools etc using a solvent (toluene or xylene) before curing takes place. Cured material can only be removed by mechanical means.

APPLICATION TEMPERATURE RANGE

Minimum +5°C
Maximum +35°C

STORAGE AND SHELF LIFE

MasterSeal NP 472 has a shelf life of 12 months from date of manufacture when stored in its original packaging at temperatures between 5°C and 25°C.

HEALTH AND SAFETY

Contains isocyanates, contact with the skin or eyes should be avoided, if ingested, DO NOT induce vomiting. Seek medical attention immediately. Refer to product MSDS.

NOTE

Technical support, where provided, does not constitute supervisory responsibility. For additional information contact your local MB Construction Chemicals Solutions South Africa (Pty) Ltd representative. MB Construction Chemicals Solutions South Africa (Pty) Ltd shall not be liable for technical advice provided.

MB Construction Chemicals Solutions South Africa (Pty) Ltd reserves the right to have the true cause of any difficulty determined by accepted test methods. Undertaking such tests is not, and shall not be deemed to be, an admission of liability or an assumption of any risk, loss, damage or liability.

QUALITY AND RESPONSIBLE CARE

All products originating from MB Construction Chemicals Solutions South Africa (Pty) Ltd are manufactured under a management system independently certified to conform to the requirements of the quality standards ISO 9001, environmental and occupational health and safety standards.

* Properties listed are based on laboratory controlled tests.

DISCLAIMER

The technical information and application advice given in this MB Construction Chemicals Solutions South Africa (Pty) Ltd publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.