

# MasterSeal<sup>®</sup> NP 472

One part polyurethane based elastomeric joint sealant

## DESCRIPTION

**MasterSeal<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> NP 472** meets ASTM C920:08 Standard Specifications for Elastomeric Joint Sealants.

## PACKAGING

**MasterSeal<sup>®</sup> 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<sup>®</sup> NP 472** White to discolour. This does not affect the **MasterSeal NP 472** performance.

### Application:

**MasterSeal<sup>®</sup> 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.



We create chemistry

# MasterSeal<sup>®</sup> NP 472

## CHEMICAL RESISTANCE

MasterSeal<sup>®</sup> NP 472 has resistance to:

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

## EQUIPMENT CLEANING

It is recommended that MasterSeal<sup>®</sup> 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<sup>®</sup> 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.

## QUALITY AND RESPONSIBLE CARE

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

\* Properties listed are based on laboratory controlled tests.

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

### STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this BASF 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.

### NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by BASF either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not BASF, are responsible for carrying out procedures appropriate to a specific application.

BASF Construction Chemicals South Africa (Pty) Ltd

852 Sixteenth Road, Midrand

PO Box 2803, Halfway House, 1685

Tel: +27 11 203 2405

Fax: +27 11 203 2679

[www.master-builders-solutions.basf.co.za](http://www.master-builders-solutions.basf.co.za)

Revision Date: 20/06/2017