

MasterSeal NP 472

One part polyurethane based elastomeric joint sealant

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
- Good range of colours available

PACKAGING

MasterSeal NP 472 is supplied in 600ml sachets

STANDARDS

DIN 18540 (02/95)

Suitable for use in contact with water intended for human consumption as per BS 6920: part 1:2000

TECHNICAL DATA

Properties listed are only for guidance and are not a guarantee of performance

Skin formation time (23°C 50% HR)	75-105'
Polymerised thickness after 24 hrs (23°C, 50% HR)	2,5 mm
Resistance to flow at 23°C ISO 7390	□ 3 mm
Resistance to flow at 50°C ISO 7390	□ 3 mm
Loss of volume ISO 10563	□ 10 %
Application temperature	+ 5°C □ T □ + 40°C
Hardness, Shore A DIN 53 505	25
Modulus of elasticity (at 100%) ISO 8339	0,25 MPa
Elongation at break ISO 8339	250%
Elastic recovery ISO 7389	> 70%
Movement capability	25%
Service temperature	20°C □ T □ + 80°C
Effect of Continuous	Class II
Submergence (ASTM C920)	

PREPARATION

To ensure excellent adhesion the joint profile including the arises should be clean, sound, dry and free from any loosely adherent material which could prevent adequate bond to the sub-strate.

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 a soap and water onto a gloved finger or tooling stick.

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CHEMICAL RESISTANCE

MasterSeal NP 472 has resistance to:

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

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 chemical means.

APPLICATION TEMPERATURE RANGE

Minimum	+5°C
Maximum	+40°C

STORAGE AND SHELF LIFE

MasterSeal NP 472 has a shelf life of 12 months when stored in its original packaging at a temperature between 5°C and 30°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 MSD.

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 STATEMENT

All products manufactured by Master Builders Solutions Egypt, or imported from Master Builders Solutions affiliate companies worldwide, are manufactured to procedures certified to conform to the quality, environment, health & safety management systems described in the ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007 standards.

* Properties listed are based on laboratory controlled tests.

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