

# MASTERFLEX<sup>®</sup> 472

## One part polyurethane based elastomeric joint sealant

### Description

MASTERFLEX<sup>®</sup> 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

MASTERFLEX<sup>®</sup> 472 has been developed specifically for sealing dynamically moving joints such as; expansion and control joints. MASTERFLEX<sup>®</sup> 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 MASTERFLEX<sup>®</sup> 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 (extra white is named MASTERFLEX<sup>®</sup> 472 Plus).

### Packaging

MASTERFLEX<sup>®</sup> 472 is supplied in 600ml sausage cartridge.

### \*Technical 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

### Application

#### 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 substrate.

UV exposure may cause MASTERFLEX<sup>®</sup> 472 White to discolour. This does not affect the MASTERFLEX<sup>®</sup> 472 performance.

#### Application:

MASTERFLEX<sup>®</sup> 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.

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## Chemical resistance

MASTERFLEX<sup>®</sup> 472 has resistance to:

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

## Equipment cleaning

It is recommended that MASTERFLEX<sup>®</sup> 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

MASTERFLEX<sup>®</sup> 472 has a shelf life of 12 months 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

Field service, where provided, does not constitute supervisory responsibility. For additional information 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 18001.

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\* Properties listed are based on laboratory controlled tests.

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