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# MasterWeld® 303

Versatile, solvent free, nail free fixing, construction adhesive

## DESCRIPTION

**MasterWeld 303** is a high grade acrylic adhesive and filler with excellent initial grab and a long term, strong, durable bond. It cures through the evaporation of water and is odorless during cure. It can be painted, after full cure, with most water based and synthetic paints

## TYPICAL USES

- **MasterWeld 303** has been developed specifically for interior bonding of wooden thresholds, door frames, profiles, panels, ornaments, decorative trims.
- For bonding chipboards and uPVC on brickwork, stone or concrete.
- Also suitable for EPS and XPS polystyrene foam.
- Can be used as a crack filler prior to painting.

## ADVANTAGES

- Solvent free: odorless and suitability guaranteed for EPS and XPS
- High initial grab for secure fixing
- Easy to gun and apply
- Water based: easy to clean
- Non-corrosive on metals
- Non sag formulation: for vertical and overhead use

## PACKAGING

**MasterWeld 303** is supplied in boxes of 12 x 310ml cartridges.

## COLOUR

**MasterWeld 303** is available in White.

## TECHNICAL DATA\*

Cure mechanism	Evaporation
Density	1.61g/ml
Cure time (23°C 55% RH)	3 days
Open Time	5-10 minutes
Application temperature	+5°C to 40°C
Application rate (3mm / 4 Bar pressure)	1500g/min
Flow (slump) vertical ISO 7390	<2mm
Temperature in service	-20°C to +75°C

## APPLICATION

### Surface preparation:

To ensure optimum adhesion substrates must be sound, clean, dry and free from any loosely adherent material which could prevent adequate bond to the substrate. **MasterWeld 303** adheres perfectly without the use of a primer to most non porous substrates. Strongly porous substrates (gypsum, aerated concrete, limestone, etc.) may need priming using a 1:1 dilution of **MasterWeld 303** and water. It is good practice to test adhesion before commencing full installation.

### Application:

Fix cartridge into cartridge gun. Cut screw threaded nipple at end of cartridge. Attach application nozzle. Cut nozzle at 45° to provide a suitable bead of material (5-10mm). Apply vertical beads of material, approximately 10-20cm apart, either on substrate or on backside of item to be fixed. Within the open time before skin formation (test bead with fingertip) firmly press and twist the item to be fixed into place. Check that fixing is secure and that no temporary bracing is needed.

## EQUIPMENT CLEANING

Clean uncured material using soap and water. Cured material can only be cleaned mechanically.



For Supplies please contact:  
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## APPLICATION TEMPERATURE RANGE

Minimum +5°C  
Maximum +40°C

## STORAGE AND SHELF LIFE

MasterWeld 303 has a shelf life of 12 months from production date when stored in its original packaging at temperatures between 5°C and 25°C.

## HEALTH AND SAFETY

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 if symptoms persist.

### On ingestion:

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. When using, do not eat, drink or smoke.

## 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.

\* Properties listed are based on laboratory controlled tests.

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## STATEMENT OF RESPONSIBILITY (Disclaimer)

The technical information and application advice given in this BASF Construction Chemicals 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.  
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## NOTE

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