

MasterWeld® 909

High tack, high strength, universal, power adhesive

DESCRIPTION

MasterWeld 909 is a high performance, construction adhesive, based on the latest hybrid technology. It provides exceptional initial grab and a long term, strong, durable bond. It cures through the reaction with atmospheric moisture to a resilient elastic rubber capable of withstanding significant loads. It is able to provide permanent bonding, even to heavy building materials, on most substrates, without temporary bracing or support, thus saving significant time and money on the job site. It is free of isocyanates, phthalates, solvents and silicones and is thus almost odorless on cure

TYPICAL USES

MasterWeld 909 has been especially developed as a universal power adhesive for bonding many building materials such as: stone, concrete, mirrors, glass, plasterboard, polyurethane, uPVC, hard plastics, enamel, ceramic, copper, lead, zinc, aluminium and other metals, stainless steel, HPL and cement fiber panels

ADVANTAGES

- Extreme high initial grab: can support heavy weights without temporary bracing or support
- High ultimate strength and mechanical resistance: permanent, risk-free bonding
- Excellent resistance to UV, weather and water: can be used internally or externally
- Bonds perfectly on most substrates without primer: universally used
- Damp tolerant: less risk for external use
- Meets EMI Code EC1 Plus: zero emissions

PACKAGING AND COLORS

MasterWeld 909 is supplied in boxes of 12 x 290ml cartridges and available in White.

TYPICAL PROPERTIES*

Cure mechanism	Reaction with atmospheric moisture
Density	1.57 g/ml
Cure time (23°C 55% RH)	2-3 mm/day
Open Time / skin formation (23°C 55% RH)	15 minutes
Application temperature	+5°C to 40°C
Application rate (3mm / 4 Bar pressure)	20 g/min
Flow (slump) vertical ISO 7390	<2 mm
Elongation at break	>300%
E-Modulus at 100%	1.39 N/mm ²
Tensile Strength	2.20 N/mm ²
Temperature in service	-40°C to +90°C

APPLICATION GUIDELINES

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 909** adheres perfectly without the use of a primer to most non porous substrates. Strongly porous substrates (gypsum, aerated concrete, limestone, etc) may need priming. (If in doubt perform adhesion test before commencing full installation. Consult Master Builders Solutions Technical Services Department).

PLACING / APPLICATION

Fix cartridge into cartridge gun. Cut screw threaded nipple at end of cartridge. Attach application nozzle provided. 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.

APPLICATION TEMPERATURE RANGE

Minimum	+5°C
Maximum	+40°C

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CLEANING

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

WATCHPOINTS

- Not suitable for continuous submersion in water including swimming pools.
- Not suitable for PE, PP PC, PMMA, PTFE, neoprene and bituminous substrates.

STORAGE AND SHELF LIFE

MasterWeld 909 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.

On contact with eyes:

Wash affected eyes for several minutes under running water.

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.

QUALITY AND CARE

All products originating from Master Builders Solutions 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 and ISO 14001.

* Properties listed are based on laboratory controlled tests.

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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this Master Builders Solutions 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

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