

MACSIM®

NEVER NAIL

HEAVY DUTY

Construction Adhesive



Technical Data Sheet

DESCRIPTION

Never Nail Heavy Duty is a premium construction adhesive designed for demanding applications. It sets rapidly, so temporary fixings can typically be taken out after around 8 hours. With a non-sag, non-slump consistency, it provides outstanding holding power and long-term resilience, and it bonds to a wide range of common building surfaces.

APPLICATIONS

Never Nail Heavy Duty is ideal for bonding of skirting boards of wood and PVC, particleboard, masonry, aluminium, galvanized iron, steel, concrete, fibrous cement sheeting, wall brick, concrete and floor panels. It is also safe to use on foamed polystyrene and mirror backed tiles.

USES

- Timber
- Plasterboard
- MDF
- Particleboard
- Masonry
- Concrete
- Tiles
- Ceramics
- Metals
- Plastics*
- Rubber
- Glass.

ADVANTAGES

- High strength
- Fast cure
- Contact bond in 2-4 minutes
- Paintable after 24 hours
- Water resistant
- Adheres to wet & poor seasoned timber

PRODUCT CHARACTERISTICS

Colour	BEIGE
Appearance	Thick paste
Curing System	Solvent Evaporation
Service Temperature	-20°C to +60°C
Product Codes	53TNN
420g Cartridge	

TYPICAL PROPERTIES

Density	Approx. 1.15
Cure Time	24 Hours
Sag Resistance (AS2329)	Less than 6mm
Tensile Strength (AS2329)	2MPa (After 24 Hours)
Lap Shear Strength	1.65MPa
Application Temperature	-5°C to +45°C

TECHNICAL DATA SHEET

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INSTRUCTIONS FOR USE

Read and understand the Safety Data Sheet before using this product. SDS can be acquired by visiting www.macsim.com.au.

Applications Instructions

1. Surfaces must be clean, dry and free of dirt, grease, oil or water.
2. Cut tip off and puncture the internal foil seal with nozzle. Cut nozzle at 45° angle to desired bead-width and apply to substrate with cartridge gun.
3. For a neat finish, apply masking tape and remove it before construction adhesive skins over.
4. Construction adhesive can be applied either as a two-way contact or a one-way wet stick adhesive (recommended for heavier panels or those that are formed to place a loading or stressed memory on bond line).
5. Two-way contact: Press firmly over entire surfaces to transfer adhesive and then pull both surfaces apart. Allow to tack off 10 – 30 seconds for reposition and press firmly together. Contact areas should be tapped with a hammer and padded block to ensure intimate contact.
6. One-way method: After applying adhesive and bringing substrates together, they should be sufficiently clamped, nailed or screwed in a fashion that maintains maximum surface contact at bonded interfaces. Mechanical fastening should be retained if highly stressed, but can be released after a minimum of 24 hours.
7. Any wet or partially wet adhesive can be removed with a piece of cloth. Dried adhesive is best removed with scraper or by sanding.

Limitations

Never Nail Heavy Duty is not suitable for the following applications:

- Not suitable for use as a structural adhesive or where high critical loads are required.
- Not to be used as complete a substitute for mechanical fixings, but as part of the overall fixing system.
- Adhesion tests are always recommended to ascertain the bond strength or performance to different substrates.
- Being a solvent based product, Never Nail can affect some substrates that it comes in to contact with.

Shelf Life

12 months shelf life when stored in a dry and cool place with temperature around 25°C.

Cleaning

Any wet or partially wet adhesive can be removed with a piece of cloth. Dried adhesive is best removed with scraper or by sanding.

HEALTH & SAFETY

Safety

Obtain special instructions before use. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Use personal protective equipment as required. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/intrinsically safe equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid release to the environment. Contaminated work clothing should not be allowed out of the workplace.

First Aid

IF exposed or concerned: Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use alcohol resistant foam or normal protein foam for extinction.
IF ON SKIN: Wash with plenty of soap and water.
Call a POISON CENTER or doctor/physician if you feel unwell. If skin irritation or rash occurs: Get medical advice/attention.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

If poisoning occurs, contact Poisons Information Centre: Australia: 13 11 26; New Zealand: 0800 764 766.

For more information and advice on the safe handling, storage and disposal of this product refer to the Safety Data Sheet. The can be acquired by visiting www.macsim.com.au

DISCLAIMER

The information in this Technical Data Sheet (TDS) is based on our present knowledge to the date of the publication. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. It is only a guide for safe handling, use, storage, transporting and disposal of the product.