



HV124 Silane Construction Adhesive

The information contained within this Technical Data, details product description, health and safety hazard information of the product and how to safely handle and use the product in the workplace. Also refer to MSDS for more information. Each user of this product should read the MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact Demtech Australia Pty Ltd. Demtech Australia Pty Ltd makes no representation as to the completeness and accuracy of the data contained in this data sheet. It is the user's obligation to evaluate and use this product safely, and to comply with all relevant Federal, State and Local Government laws and regulations. Demtech Australia Pty Ltd shall not be responsible for loss, damage or injury resulting from reliance upon or failure to adhere to any recommendation or information contained herein, from abnormal use of the material, or any hazard inherent in the nature of the material.

STATEMENT OF HAZARDOUS NATURE

Not classified as hazardous according to criteria of Worksafe Australia.

IDENTIFICATION

Product Name	HV124 Silane Construction Adhesive
Other Names	None assigned
UN Number	None assigned
Dangerous Goods Class	None assigned
Subsidiary Risk	None assigned
Shipping Name	None assigned
Hazchem Code	None assigned
Poisons Schedule Number	None assigned

DESCRIPTION

Cureflex HV-124 (High Viscosity) Silane Adhesive is a Premium Grade – Solvent Free adhesive designed for bonding porous and non porous products/materials on vertical or horizontal substrates. This High Performance adhesive is specifically engineered to provide instant 'grab' adhesion between product surfaces and substrates offering exceptional fast curing properties without shrinkage, odours or vapours.

MAIN USES

For high performance bonding applications over a range of substrates including timber, fibrous sheeting, concrete, acoustic underlay, plastics, rubber cork, vinyl, Laminex, paints, ceramics, polystyrene and an array of non porous and porous surfaces





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PHYSICAL DESCRIPTION / PROPERTIES

Appearance	Viscous Paste
Bond Strength	Tear Strength - 3.0 N/mm ² Shear Strength - >2.0N/mm ²
Setting Times	Tack Free - 30 mins @ 23oC & 50% RH, Curing - 2.5mm/24hrs @ 23 degrees C & 50% RH
Application Temperatures	+5 degrees C to 35 degrees C
Classification	None

COVERAGE

Thickness – Notched Trowel Size	Area M2 per 15kg pail
3mm V	
4m Standard	
6m Standard	

NOTES:

As a structural adhesive for panel bonding allow 1kg per 1m² coverage



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PREPARATION / APPLICATION

Surface Preparation Surfaces must free of contaminants or foreign material. Ensure substrate is sound and free of any loose or unsecured areas prior to application

Priming Priming on building substrates is not required once surfaces have been appropriately prepared and cleaned

Mixing No mixing required

Curing Curing - 2.5mm/24hrs @ 23 degrees C & 50% RH

Application A minimum 2mm dried adhesive bed is required to achieve maximum elastic bonding properties
If adhering 2 non porous surfaces together, ensure 1-2cm gaps between bead lines are allowed to allow air flow for curing.

Precautions

- This adhesive is not designed for use in permanently immersed areas.
- Not suitable for continuous immersion in solvents or industrial grade chemical solutions.
- For over coating this product, check with Demtech Offices for compatible coatings.
- Do not apply when surface temperature is below 5 degrees C or above 35 degrees C.
- Avoid applying in hot conditions as warm temperatures may cause sealant to skin.

Substrates Surfaces must free of contaminants or foreign material. Ensure substrate is sound and free of any loose or unsecured areas prior to application

Clean Up

- On hands or skin while product is wet – use soap and water. Once cured use solvent free hand cleaners.
- On surfaces, uncured material can be removed using methylated spirits/denatured alcohol.
- Areas where product has dried will need to be removed using industrial strength solvent such as Acetone or Xylol.



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HEALTH HAZARD INFORMATION

Health Effects

Chronic	Skin sensitivity can be developed following prolonged and repeated contact
Swallowed	Toxicity caused by single oral dosage is low
Eye	May cause sensitisation
Skin	May cause skin sensitisation
Inhaled	Product is odourless.

FIRST AID

Swallowed	In case of ingestion irritation, seek medical attention.
Eye	Rinse carefully with plenty of clean water and seek medical attention.
Skin	Contact with skin, remove excess by hand & wash effected area with plenty of soapy water.
Inhaled	In case of breathing irritation, seek medical attention.
First Aid Facilities	Ensure availability of eye wash fountains and/or water access.
Advice to Doctor	Treat symptomatically. If poisoning occurs, contact a doctor or Poisons Information Centre.

PRECAUTIONS FOR USE

Personal Protection

Respirator Type (AS/NZS 1716)	Where concentrations in air may exceed the recommended exposure limits, or work practice or other means of exposure reduction are not adequate, approved respirator may be necessary to prevent overexposure by inhalation.
Glove Type	Neoprene/rubber gloves.
Eye Protection	Safety glasses as appropriate.
Clothing	Protective clothing to cover body parts, e.g. long sleeved overalls or similar; and boots.
Other	Wash hands before smoking, eating, drinking or using the toilet and after finishing work. Observe the usual precautions when handling chemicals.
Flammability Fire Hazards	No unusual fire danger. The flash point is >610C. Not spontaneously combustible

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SPILLS & DISPOSALS

Clean Up Spills Do not dispose of in drains. Clean up spills by covering with absorbent material (saw dust, sand etc). After 1 hour collect in a waste container. Do not close container (carbon dioxide is developed). Keep humid and leave for several days in open air in a controlled area. Further disposal by incineration in accordance with local laws in force.

Disposal Dispose of in accordance with Local, State and Federal regulations.

Precautions for Clean Up Crew Neoprene rubber gloves

FIRE / EXPLOSION HAZARDS

Hazard of Use / Storage

Not spontaneously combustible

List of Dangerous Decomposition or Combustion Products

In event of fire the following substances may form: carbon monoxide and nitric acid

Types of Extinguisher

Foam, CO2 and Dry Chemical. Use water spray to cool fire exposed surfaces and protect personnel.

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Protective Clothing

Appropriate fire fighting clothing

Reactivity

None

OTHER INFORMATION

Ecology

Avoid contaminating waterways and sewers. This product is not biodegradable.

Packaging & Labelling

Product remains stable when handled to recommended storage conditions

Precautions for Use

Avoid excessive heat

Reactivity Data

Methoxysilane base products react with water producing methanol. The products are insoluble in water and as they are denser than water, precipitate to the bottom, slowly reacting on the interface.



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CONTACT POINT

Technical Department

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Australia Poisons Information Centre

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Police & Fire Brigade

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General

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