



Cureflex NP140

Positive/Negative Flow Waterproof Membrane Suitable for wet substrate applications

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	Cureflex NP140
Other Names	N/A
UN Number	N/A
Dangerous Goods Class	N/A
Subsidiary Risk	N/A
Shipping Name	N/A
Hazchem Code	N/A
Poisons Schedule Number	N/A

DESCRIPTION

NP140 is specifically engineered as a unique, flexible one component cementitious waterproof membrane suitable for use over wet substrates in a range of positive and negative waterproofing applications including:

Immersed Applications: water features, swimming pools, ponds, retaining walls, planter boxes, walls built below water tables, roof areas (that will be covered other surface toppings), repairs to non-exposed gutters - potable water storage tanks, basement walls internal/external, balconies, podiums, terraces, lift shafts and lift pits and internal wet areas

MAIN USES

Waterproof Membrane





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PHYSICAL DESCRIPTION AND PROPERTIES

Appearance	Off white, light grey powder
Bond Strength	1.08MPa (to concrete)
Setting Times	4-5 hours (dry film)
Working Time	40 minutes
Adjustability Time	20 minutes
Application Temperatures	Above 5 °C and below 30 °C (surface temp)
Classification	Class 1

COVERAGE

Thickness – Notched Trowel Size	Area m ² per 15kg bag
6 mm	8 m ² at 1.5 mm thickness
8 mm	6.25 m ² at 2 mm thickness
10 mm	5 m ² at 2.5 mm thickness



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PREPARATION AND APPLICATION

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

Priming No primer required. Works best on pre-dampened surfaces

Mixing NP140 membrane is easily formed by adding the dry powder to water. Fill 2/3 of the required water into a mixing pail. Ensure water is clean and free of chemical additives. Slowly add NP140 powder to water using electric mixer with paddle attachment, stir until mixture appears lump free. Add final 1/3 of water and stir until a homogenous lump free state is formed. Allow product to settle for a few minutes before lightly restirring.

Curing
Recoat - 1-3 hours
Dry film 5-7 hours
Exposure to water pressure - 7 days curing
Immersion - 21 days curing

Application NP140 requires a suitable bondbreaker at substrate junctions. Flexiban Joint Bandage or RF webbing tape is recommended as a semi-rigid joint bandage. Cureflex NP140 performs best on damp substrates. Apply with brush, roller or sprayer.
Recommended coverage will differ based on application use:
General waterproofing (positive side) - minimum 1.5mm dried film thickness is required - 0.8litres/1.2kg/m² per mm layer thickness
Immersed applications and protective membrane coating in negative applications - minimum 2.0mm dried film thickness is required - 0.8L/1.2kg/m² per mm layer thickness
Preventing ingress of water under pressure (negative side) - a minimum 2.5mm dried film thickness is required - 0.8L/1.2kg/m² per mm layer thickness.

Precautions Do not apply when rain is imminent
Do not apply when surface temperatures are below 5 °C or above 30 °C All finished coatings over this membrane are to be water based and solvent free

Substrates Substrate surfaces must be clean, free of gypsum and foreign matter including oil and wax residues. Surfaces must be in a sound and stable state prior to commencing the application.

Clean Up Clean up with water while wet. Once dried product will need to be mechanically removed.



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HEALTH HAZARD INFORMATION

Health Effects

Chronic	Some Portland cement products may contain crystalline silica. Crystalline silica following repeated exposures has caused silicosis (scarring of the lung) and increased the risk of bronchitis and lung cancer. The International Agency for Research on Cancer (IARC) has evaluated crystalline silica and concluded: a) there is sufficient evidence for the carcinogenicity of crystalline silica to experimental animals, and b) there is limited evidence for the carcinogenicity of crystalline silica to humans. The IARC evaluated crystalline silica as “probably carcinogenic to humans – Group 2A”.
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FIRST AID

Swallowed	Rinse mouth out with water or milk. Do not give carbonated drinks. Do not induce vomiting; Seek medical attention if required.
Eye	Flush eyes with tepid running water, removing foreign bodies if any, for at least 15 minutes. Seek medical advice if symptoms persist.
Skin	Wash with water and soap. Seek medical attention if irritation persists.
Inhaled	If affected, remove subject from area. Keep at rest. Seek medical assistance if symptoms persist.
First Aid Facilities	Ensure availability of eye wash fountains and/or water access.
Advice to Doctor	Treat symptomatically.

PRECAUTIONS FOR USE

Personal Protection

Respirator Type (AS/NZS 1716)	To be used when exposed to dust.
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	Product is non-flammable.



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SPILLS AND DISPOSALS

Clean Up Spills Spills may be cleaned up by any dry method such as broom, shovel or vacuum device, with care taken to minimize spread of dust into the environment.

Disposal Dispose of in accordance with local, state and federal regulations.

Precautions for Clean Up Crew No special precautions are required.

FIRE / EXPLOSION HAZARDS

Hazard of Use / Storage None

List of Dangerous Decomposition or Combustion Products None

Types of Extinguisher CO² and dry chemical

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Protective Clothing None

Reactivity None

OTHER INFORMATION

Ecology Avoid contaminating waterways and sewers.

Packaging & Labelling In 15kg valve bags



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CONTACT POINT

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General

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