



2PART PCM-17

Polymer Cementitious Membrane

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	2 Part PCM-17 polymer cementitious membrane
Other Names	None
Manufacturer's Product Code	None
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
Major recommended uses	Wet areas and shower alcoves, podiums, terraces, balconies and deck areas, water features, swimming pools and fish ponds, facades, retaining walls and planter boxes, water tanks and general water storage areas,





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IDENTIFICATION Cont.

Physical description and properties

Appearance	Light Grey (mixed)
Boiling Point (°C)	N/A
Vapour Pressure	N/A
Volatile Component	<42ppm (liquid component)
Specific Gravity	N/A
Flashpoint (°C)	N/A
Viscosity	-
Solubility in Water	Completely miscible

Other properties

Evaporation Rate	N/A
Vapour Density	N/A
Form	Powder and liquid
Stability	Stable
Hazardous Polymerisation	Will not occurs
Materials to avoid	Strong acids and oxidizing agents

INGREDIENTS

Chemical Name:	CAS Number:	Proportion:
Alkyl acrylate-styrene copolymer	-	56-58%
Water	7732-18-5	42-44%
Ivory cement/portland cement	65997-1-15	10-20%
Washed Sand		60-70%

Contents: High >60% - Medium 10 – 60% - Low 1 – 10% - Very Low <1%
* Other ingredients determined not to be hazardous, including water, to 100%.



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HEALTH HAZARD INFORMATION

This product is hazardous according to health criteria of NOHSC Australia, but not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADGCode) for transport by Road and Rail.

Health Effects

Acute:	
Swallowed	No data supplied; but polymer is not expected to be harmful.
Eye	May be an eye irritant
Skin	Prolonged or repeated contact with skin may result in slight skin irritation.
Inhaled	Excessive exposure to vapours or spray mist may cause slight irritation to eyes, nose and throat.
Chronic:	
	Due to cement content, long term exposure to high dust concentrations may cause irritation to lungs and result in breathing disorders, as cement and silica are classified as carcinogenic. Contact with skin, inhalation of dust, vapour ingestion in any form should be avoided. Sensitisation may result in allergic dermatitis responses including rash, itching, swelling of extremities, redness and irritation. Principal routes of exposure are by accidental skin and eye contact and by inhalation of dusts. As with any powdered chemical product, contact with unprotected bare skin; inhalation of dusts in work place atmosphere; or ingestion in any form, should be avoided by observing good occupational work practice.
Swallowed	Material is irritating and mildly corrosive if swallowed. Ingestion may result in nausea, abdominal irritation, pain and vomiting.
Eye	Prolonged exposure may cause eye irritation or burning and may cause conjunctivitis.
Skin	Prolonged exposure may result in slight skin irritation and or drying and may lead to dermatitis or may cause sensitisation.
Inhaled	Excessive exposure to dusts can cause damage to health and lungs slight irritation to eyes, nose and throat. Dust is irritating to upper respiratory tract and lungs. Over exposure to irrespirable dust may cause coughing, wheezing and irritation to the nasal passages.



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HEALTH HAZARD INFORMATION Cont.

First Aid

Swallowed	Rinse mouth then drink water slowly. If poisoning occurs, seek medical assistance immediately, contact doctor or poisons information centre. Do not induce vomiting. Material highly irritating and mildly corrosive if swallowed.
Eye	Immediately flush with large amounts of water for at 5-10 minutes; lifting upper and lower lids. Seek medical attention if irritation persists.
Skin	Wash with water and soap. Seek medical attention if irritation persists.
Inhaled	If affected, move subject to fresh air. 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)	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	Product is non flammable according to the Australian Code for the Transport of Dangerous Goods.



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SAFE HANDLING INFORMATION

Storage and Transport

Location	Store in a dry cool area to prolong storage life.
Temperature Conditions	Best stored at room temperature; prevent from freezing.
Protection from Weather	Store undercover and away from heat sources, water and electric plant.
Storage Incompatibilities	N/A

SPILLS AND DISPOSAL

Clean Up Spills / Leaks	Clean up with water. Use solvent cleaners if product has dried. Do not contaminate streams, rivers, or water courses. Do not flush down drains and sewers. Inform local authority if product enters drains, sewers, streams, etc. Sweep and wipe all trace elements.
Disposal	Dispose of in accordance with Local, State and Federal regulations.
Precautions for Clean Up Crew	Nitrile rubber or PVC gloves, safety glasses and respirator

FIRE / EXPLOSION HAZARDS

Hazard of Use / Storage	Non-combustible, not considered a fire risk.
List of Dangerous Decomposition or Combustion Products	None
Types of Extinguisher	No restriction listed - water, foam, CO ² and dry chemical
Precautions	Fire fighters should wear self-contained breathing apparatus.
Protective Clothing	None
Reactivity	None



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OTHER INFORMATION

Ecology	Avoid contaminating waterways and sewers.
Packaging & Labelling	Dry powder 15kg poly lined valve bag stored in empty mixing bucket. Liquid additive 10kg Pail.
Important Notes:	Polymer modified cement based tile adhesives are recommended for direct adhesion to the membrane. When applying screeds and renders directly over membrane, Acrylic or SBR bonding agents are recommended. Mixed membrane pot life approx. 1 hour in normal ambient conditions of <23 °C.
Drying Times	Recoat 1-3 hours Dry film 5-7 hours Immersion 21 days

CONTACT POINT

Technical Department	Demtech Australia Pty Ltd (ABN: 91 131 136 706) 16 Logis Blvd, Dandenong South VIC 3175 Australia www.demtech.com.au Support: 1300 300 090
Australia Poisons Information Centre	13 11 26
Police & Fire Brigade	000
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