

SG40

Floor Leveller

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. Als refer to MSDS for more information. Each user of this product should read this 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

Classified as Hazardous. Non Dangerous Goods according to criteria of NOHSC & ADG Code.

IDENTIFICATION

Product Name	Cureflex SG40 Floor Leveller
Other Names	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

DESCRIPTION

Cureflex SG40 is a Cementitious High Performance/Flexible Floor Levelling Powder used as a free flowing underlay over concrete substrates to improve or correct surface levels prior to the installation of Vinyl, Tiles or Carpet. SG40 has been specifically designed to provide maximum flow without shrinkage or cracking

MAIN USES

Underlay covering on floors prior to the installation of Vinyl, Tiles or Carpet. Levelling uneven floor surfaces, Too create a flat smooth finish over concrete substrates and for fast repairs to concrete slabs cracks and small voids.

BENEFITS

Free Flowing Self Levelling System which provides generally one application installation – Foot Traffic after 2hrs – Rapid Set Application – Installation of floor coverings after 24 hours – No screeds required – One product application



SG40

Floor Leveller

PHYSICAL DESCRIPTION / PROPERTIES

Appearance	Grey Powdered Mixture
Compressive Strength	Up to 28 days 25–35 Mpa
Flexural Strength	Up to 28 days 3-6 Mpa
Flowability	200-300mm
Bond Strength	>5 Mpa
Setting Time	Initial Set @ 20°C – 50min. & 30°C – 60 min. Final Set @ 20°C – 60 min. & 30°C – 50 min.
Working Time	@ 10°C 40 – 50 minutes @ 20°C 30 – 40 minutes
Application Temperatures	5°C minimum – 30°C maximum
Application Thickness	Feather Edge minimum – 30mm maximum
Fresh Wet Density	1850kg/m ³ approx. (tested in accordance to AS1012.5)
Traffic Time @ 20C	Foot Traffic 2 hours – Vehicle traffic 12 hours
Moisture Content	Max. 5.5% prior to installation
Other Coverings Installation	@10mm - 24 hours prior to installation over level flooring
Water Content	4.1 litre water per 20kg bag of SG40
Packaging	20kg Poly-lined Valve Bags

COVERAGE

Thickness	Area M2 per 20kg bag
2mm	6.5
4mm	3.3
6mm	2.6
8mm	2.2
10mm	1.6
13mm	1.3

Coverage's listed above are obtained if accurate procedures are undertaken and that correct amount of water content is added. Figures shown above are approximates only.
Tests undertaken under controlled conditions.

SG40

Floor Leveller

PREPARATION / APPLICATION

Surface Preparation Ensure concrete substrate is clean and free of oil grease, sealers, curing compounds, paints, Polymer coatings, dust or other foreign (bond breaking matter). Excess bitumen, adhesive or laitance be removed by light scabbling or mechanical captive shot blasting, followed by vacuuming to remove debris and dust. Large cracks or holes may be filled using equal parts of Cureflex SG40 and clean fine sand made up to a trowellable consistency. Ensure substrate is primed.

Priming	Prime clean concrete substrate using brush, broom or roller. Allow Primer to reach a touch dry film prior to applying Cureflex SG40. Do not over dilute Primer. Mix 1 part of Primer to 2 parts clean water. Extremely porous surfaces may require second coat. Apply Primer at 4-5m ² /litre per coat. Do Not Apply Cureflex SG40 to Un-Primed Surface.
----------------	---

Mixing	Only use a mechanical forced action mixer with shear stirrer. Do not mix by hand. Add 4.1 litres of clean water to 20kg bag of Cureflex SG40. Using clean bucket add Cureflex SG40 to pre-measured water ensuring product is being mixed during powder addition. Once entire content is added to water, mix for a further 2-3 minutes until a smooth homogeneous consistency is obtained. Ensure product is mixed for a minimum 5 minutes before applying. Do not add excess water. Discharge any material that has hardened or stiffened.
---------------	--

Curing	No special curing additive is required. Any remaining product should be discharged. It is not recommended to add additional water to left over product.
---------------	---

Application	Pour the mixed product on the primed substrate and allow product to seek it own level. Product may be spread with a steel trowel or straight edge. Keep trowel slightly inclined to obtain desired thickness. To ensure uniformed flow and consistency, it is advised that subsequent mixes are ready for pouring. Continuously pour mixed solution to the desired area that requires levelling. Protect finished area from traffic to avoid any damage to product while drying.
--------------------	--

Precautions	Do not use above 30°C as rapid set will occur. Cureflex SG40 must not be used in areas subjected to occasional or permanent wetting or where backwater pressure is likely. Must not be permitted to come in to contact with water at any stage during use. Must not be used as a wearing course or as a waterproof agent and should only be used as a underlayment. To avoid rapid drying after application, protect applied product from direct sunlight and wind drafts up to 12 hours. If substrate experiences structural movement and as a result cracks occur, reflective cracks will occur in Cureflex SG40. Cureflex SG40 can be covered with flooring materials in 24 hours depending on thickness and ambient temperatures. Areas that contain thicker product than normal it is advised to check the moisture content of Cureflex SG40 prior to installation of any floor coverings. Apply Cureflex SG40 over cured concrete substrates not less than 14 - 28 days old.
--------------------	--

Substrates	For concrete substrates subject to rising dampness or moisture, an approved waterproof membrane barrier coating is required.
-------------------	--

Clean Up	Clean tools and equipment with clean water immediately after use.
-----------------	---

SG40

Floor Leveller

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 (ADG Code) for transport by Road and Rail.

Health Effects

Chronic	Long term exposure to high dust concentrations may cause irritation to lungs and result in breathing disorders, as cement and silica is now 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 & 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.

First Aid

Swallowed	Rinse mouth then provide 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.

SG40

Floor Leveller

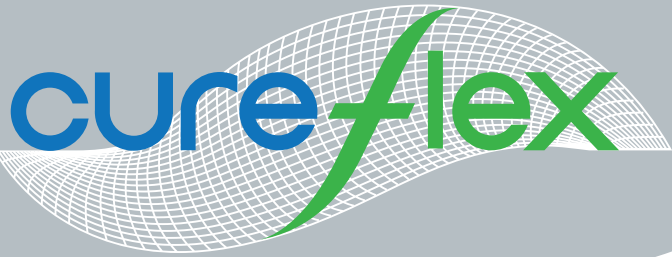
PRECAUTIONS FOR USE

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.
Eye Protection	Safety glasses as appropriate
Glove Type	Neoprene/rubber gloves.
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.

OTHER INFORMATION

Ecology	Avoid contaminating waterways and sewers.
Packaging & Labelling	Poly-lined Valve Bag to be stored as per manufacturers recommendation
Precautions for Use	None Assigned
Reactivity Data	N/A
Toxicity Data	N/A



SG40

Floor Leveller

CONTACT POINT

Technical Department

Demtech Australia Pty Ltd (ABN : 91 131 136 706)
16 Logis Blvd, Dandenong South 3175
P: 1300 300 090
Email: info@demtech.com.au

Australia Poisons Information Centre

13 11 26

Police & Fire Brigade

000

General

The information contained herein is based on present state of our knowledge and does not guarantee certain properties. Recipients of our products must take responsibility for observing laws and regulations. The information contained within is published free of charge in good faith and is based on technical data that Demtech Australia Pty Ltd considers to be reliable.

Disclaimer

The information within is intended for use by skilled and/or persons with technical knowledge. They required to make their own assessment and use product at their own risk and discretion. Information contained in this product sheet conforms to the standard detail recommendations and specification for the use of Demtech Australia products as of the date of this document. Demtech Australia Pty Ltd make no other warranties and assumes no liability, expressed or implied.

To ensure that you are using the most complete and up to date information, contact Demtech Australia Pty Ltd.

Demtech Australia Pty Ltd
P.O. Box 4535 Knox City
Centre VIC 3152