



**EXPOSED AGGREGATE
RETARDER**

DISTRIBUTORS HANDBOOK

*Surface Retarder For
Horizontal/Vertical Exposed
Aggregate Concrete Surfaces*

"It's all in the mix"



Surface Retarder For Horizontal/Vertical Exposed Aggregate Concrete Surfaces



Designed and Developed by Professional Concreters

Our Prime Exposure development team are all professional concreters. We have spent over 10 years developing a product that will ensure concrete contractors achieve the best possible results for their customers.

Our tenacious attention to technical detail, product testing and customer support make us stand out from our opposition in today's competitive marketplace.

Our products have been exhaustively tested in all weather conditions to ensure we deliver the highest quality finish combined with substantial labour cost savings as a result of our reduced on-site wash off times.

Our customers and their needs are the focus of everything we do. Along with our people and our distributors they are our most important asset.

By working closely with our customers we contribute our experience, enthusiasm and ingenuity to achieve the result that is most appropriate for their needs. Our service is the end result of the partnership, which we establish with our customers.

The quality of our service and our professionalism is only matched by our commitment to ensure that we will always deliver our customer's products through our distributors on time, every time and as economically as possible.

Prime Exposure... right there when you need us

We know and understand the critical importance of timely technical support, not when it's too late. At Prime we provide the practical and technical support for your business when you need it. We know our service is second to none...just ask our customers. Our team of distributors are geographically located where you need them and have been trained to assist with your enquiries and needs.



Predictable and easy to use... great results time after time

Prime Exposure is a water based chemical retarder used to expose the aggregate in horizontal/vertical concrete surfaces. It delays the set of the mortar paste on the surface to a controlled depth. It is applied by a low pressure spray unit after the concrete has been freso'd, edged and hand trowel finished and as soon as free-bleed water has dried.

Prime Exposure does not kill the set of the main concrete. The retarded mortar paste is easily removed by high pressure water spraying and brushing within 12 to 24 hours (subject to weather conditions) after Prime Exposure has been sprayed onto the aggregate concrete surface. The product, when applied properly saves labour time and delivers a sensational result on time every time.

"It's all in the mix"

Prime Exposure... our user-friendly instructions will ensure the highest quality exposed aggregate concrete finishes for your customers

Good prep work before using Prime Exposure is like good undercoating before a brilliant paint job...

Step 1: Screed concrete and bullfloat.



Step 2: Fresno and edging.



Step 3: Final Fresno and hand sweep edges.



The time and care you take with Steps 1, 2 and 3 will ensure you achieve the best possible results when you apply Prime Exposure.

Application and removal of Prime Exposure

Step 4: Once any free bleed water has dried on the surface of the concrete (See Step 3) you can apply Prime Exposure.

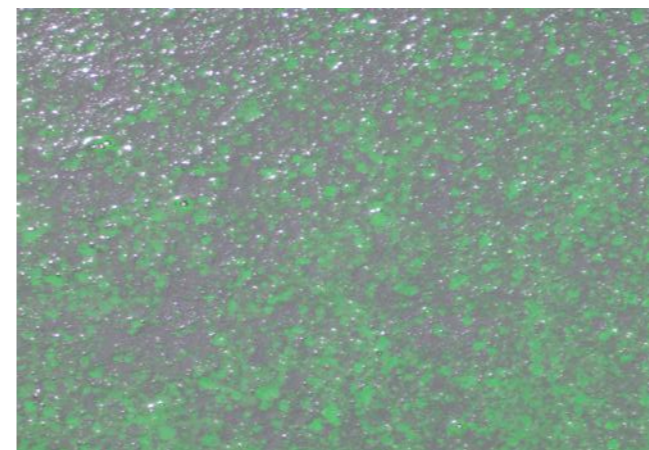


4.1 We suggest you use a quality low pressure back pack spray unit.

4.2 Ensure if possible that you have enough capacity in the spray unit to cover the whole area in one application to achieve the best possible finish.



4.3 Because Prime Exposure is coloured a bright fluorescent green you will be able to easily see and gauge the consistency of surface coverage.



4.4 When the conditions are just perfect you will see what we call a "PITA PATA" effect form on the surface of the concrete as the Prime Exposure is being applied. When you see this surface effect you'll know that you are achieving perfect surface penetration. NB. Once Prime Exposure has been applied, we recommend that you cover all sprayed surfaces with polythene builders film. This will greatly reduce wash off times.

4.5 Don't worry about over-spray. Because Prime Exposure is water based it will wash off any surface with ease later when you commence the wash off stage.

Step 5: Dependent on weather conditions wait from 12 to 24 hours before you commence the wash off stage of Prime Exposure.



5.1 We suggest you use a high pressure water spraying unit, with 3 – 4000psi and a stiff brush to remove excess slurry.

5.2 Cover all drains, pits and gutters with double folded hessian, or similar material to ensure no residue mortar sets and obstructs drainage.

5.3 Wash off all mortar from walls, windows, doors and fences as you go, in the same way you would do for normal concreting.

5.4 When finished, spray surface evenly again with water to ensure no mortar has been missed.

Prime Exposure:

- Water based green fluorescent food dye
- Colouring makes it easy to ensure even application
- Safe and non toxic
- Environmentally friendly
- Odourless
- Easy to use
- Highly effective predictable results.

Prime Exposure is the ultimate surface retarder for horizontal/vertical exposed aggregate concrete surfaces.

Use Prime Exposure for patios, driveways, landscaping and pool surrounds. It's applications are only limited by your imagination...



Prime Exposure Technical Data Sheet (TDS)

DESCRIPTION AND ACTION

Prime Exposure is a water based chemical retarder used to expose the aggregate in horizontal/vertical concrete surfaces. It delays the set of the mortar paste on the surface to a controlled depth. It does not kill the set of the main concrete. The paste may be removed by washing and brushing, after the set of the concrete, to expose the aggregate. After retardation has finished, the concrete cures to its full strength.

FEATURES AND BENEFITS

Prime Exposure:

- Water based green fluorescent food dye
- Colouring makes it easy to ensure even application
- Safe and non toxic
- Environmentally friendly
- Odourless
- Easy to use
- Highly effective predictable results

APPLICATION

See the detailed instructions on Pages 4 and 5 of this handbook.

ESTIMATING AND SUPPLY DATA

Prime Exposure is supplied in 20 litre poly drums. Coverage is around 80 to 100 sq mtrs in most applications, however site trials should always be carried out to determine the appropriate application rate for each job.

CLEANING

Prime Exposure should be removed from tools, equipment and any other surfaces such as walls, fences, doors and windows during wash off stage using clean water. Residual material left in spray equipment should not be put back into the original container for re-use.

SHELF LIFE

Store at temperatures between 5°C and 35°C in original unopened containers. Prime Exposure has a shelf life of 12 months if kept unopened. If stored in high temperatures, the shelf life may be significantly reduced.

PRECAUTIONS

- (1) Approval Test: Always conduct a site trial under the actual site conditions (especially in direct sunlight and/or drying wind) prior to commencing application of Prime Exposure.
- (2) Application: The uniformity of any exposed surface is dependent on the uniform application of Prime Exposure.
- (3) Prime Exposure is a set retarder but does not stop the cement paste from setting with time. Delays in exposing the aggregate will decrease the depth of etch and increase the difficulty of removing the cement paste.
- (4) Proper surface curing is essential for maximum for maximum strength development after removal of the retarded mortar.
- (5) Hot and/or windy site conditions will accelerate the setting time of the concrete surface and decrease the time from application of the retarder until removal of the cement paste.
- (6) Do not pour unused material back into the original container.
- (7) Material Safety Data Sheets (MSDS) are available to users of Prime Exposure on request. Ensure you have read the Technical Data Sheet, the MSDS and the product label carefully before first use of the product.

IMPORTANT NOTIFICATION

Any advice, recommendation, information, assistance or service provided by Prime Exposure in relation to goods manufactured or supplied by them or their use and application is in good faith and is believed by Prime Exposure to be appropriate and reliable. However any advice, recommendation, information, assistance or service provided by Prime Exposure is provided without liability.

Material Safety Data Sheet (MSDS)



According to NOHSC: 2011(2003)
Version: 3.0
Revised: 18 February 2011 MSDS No: 2

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

1. Identification of the substance/preparation and company

Product: Prime Exposure

Recommended use:

A surface retarding admixture for concrete and mortar.

Manufacturer/supplier information:

Manufacturer/supplier: Prime Exposure
Street/postbox: 39A Myrte Street
Town/city: Glen Waverley
Country: AUSTRALIA

Phone: (03) 9561 0343
Fax: (03) 9561 0343
General information Operations Manager: 0433 993 425
Emergency information phone: 0419 518 760

2. Composition/information on ingredients

Chemical characterization:

Aqueous solution

Hazardous ingredients:

None

3. Hazard identification

Hazard Category:
Risk Phrase(s):
Safety Phrase(s):

4. First-aid measures

Inhalation:

Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Skin contact:

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.

Eye contact:

If in eyes wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Ingestion:

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766). Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

Notes to physician:

Treat symptomatically.

5. Fire-fighting measures

Specific hazards:

Non-combustible material.

Special protective precautions and equipment:

Not combustible, however following evaporation of aqueous component residual material can burn if ignited. On burning may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

Suitable extinguishing media:

Not combustible, however, if material is involved in a fire use water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

6. Accidental release measures

Small Spills:

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

Large spills:

Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation.

Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. If contamination of sewers or waterways has occurred advise local emergency services.

7. Handling and storage

Handling:

Avoid eye contact and repeated or prolonged skin contact.

Storage:

Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from incompatible. Keep containers closed when not in use - check regularly for leaks.

8. Exposure controls/personal protection

National occupational exposure limits:

No value assigned for this specific material by the NOHSC Australia.

Biological Limit Values:

As per the "National Model Regulations for the Control of Workplace Hazardous Substances [NOHSC:1005 (1994)]" the ingredients in this material do not have a Biological Limit Allocated.

Engineering measures:

Natural ventilation should be adequate under normal use conditions.

Personal protection equipment:

OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES.

When handling individual retail packs no personal protection equipment is required. Due to variations in glove construction and local conditions, the user should make an assessment of the appropriate gloves to use. Wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

9. Physical and chemical properties

Appearance:

Physical state: liquid
Colour: Green
Odour: N Av

Data relevant to safety:

Solubility: Miscible in water.
Specific Gravity (20 °C): approx 1
Relative Vapour Density (air=1): N Av
Vapour Pressure (20 °C): N Av
Flash Point (°C): N App
Flammability Limits (%): N App
Autoignition Temperature (°C): N App
Melting Point/Range (°C): N Av
Boiling Point/Range (°C): >100
pH: 7.0 +/-0.5

(Typical values only - consult specification sheet)
N Av = Not available N App = Not applicable

10. Stability and reactivity

Chemical stability:

This material is thermally stable when stored and used as directed.

Conditions to avoid:

Elevated temperatures.

Incompatible Materials:

Oxidising agents ????

Hazardous decomposition products:

Oxides of carbon and nitrogen, smoke and other toxic fumes ????

Hazardous reactions:

No information available.



11. Toxicological information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects:

Inhalation: Material may be irritant to mucous membranes and respiratory tract.
Skin contact: Contact with skin may result in irritation.
Eye contact: May be an eye irritant.
Ingestion: Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

Long Term Effects:

No information available for product.

Acute toxicity / Chronic toxicity:

No LD50 data available for the product.

12. Ecological information

Avoid contaminating waterways.

Ecotoxicity:

No information available.

Persistence and degradability:

No information available.

Mobility:

No information available.

13. Disposal considerations

Refer to State/Territory Land Waste Management Authority.

14. Transport information

ADG/ADR/RID

Not classified as Dangerous Goods by the criteria of the ADG Code.

IMDG

Not classified as Dangerous Goods by the criteria of the IMDG Code for transport by sea.

IATA

Not classified as Dangerous Goods by the criteria of the IATA Dangerous Goods Regulations for transport by air.

15. Regulatory information

Poisons Schedule (Aust):

Not applicable.

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

16. Other information

This Material Safety Data Sheet has been prepared by Prime Exposure.

Reason(s) For Issue: Revised

Material Safety Data Sheets are updated frequently. Please ensure that you have a current copy. MSDS may be obtained from Prime Exposure

The information contained in this Safety Date Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the Technical Data Sheet prior to any use and processing.



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