

ABSOLUTELY ECO-FRIENDLY



GREENCOAT™
ECO PAINT

ECO WALLCHEM ALL

TECHNICAL AND MATERIAL SAFETY DATA SHEET

DISCLAIMER AND IMPORTANT SAFETY NOTICE

To the best of our knowledge the technical data contained herein is true and accurate at the date of issuance and is subject to change without prior notice. User must contact GREENCOAT before ordering to ensure the correct products are used for application. No guarantee of accuracy is given nor implied. We guarantee that all GREENCOAT products have undergone quality control procedures to conform to GREENCOAT quality control standards. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to the replachement of products. Prices and cost data, if shown, are subject to change without prior notice. The factory will NOT be responsible for damage or loss if application is not done by GREENCOAT trained applicators or if GREENCOAT specifications are not adhered to. It is the customers' responsibility to ensure they familiarize themselves with the correct application methods and ask for help from GREENCOAT. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY GREENCOAT, EXPRESSOR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

SUPPLIER IDENTIFICATION AND INFORMATION

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PRODUCT IDENTIFICATION



Product name	Eco Wallchem All
Date Issued	03/02/2016
CAS no.	n/a
EC no.	n/a
UN No.	None (Portland cement is listed as an Appendix C carco in terms of the BC Cod)
SAPMA	4-H-C
In emergency contact	Greencoat
Product Description	Eco Wallchem All is a functional, economical and cementitious coating system. This product allows water vapour to evaporate from the substrate without allowing any water to penetrate the substrate from the exterior environment. It is available in a range of colours and presents a very smooth finish.
Principal Characteristics	<ul style="list-style-type: none"> Breathable Anti-fungal Stretchable Water repellent Environmentally-friendly Contains no VOCs Does not leave an unpleasant smell once applied Fire retardant properties
Intended use	<ul style="list-style-type: none"> Specifically designed for concrete substrates and certain tinsplate steel. For enamel surfaces prepare surfaces by sanding substrate. Coating allows damp saturated walls to breathe vapour out, without the paint peeling, through membrane nanotechnology. The particle size of water vapour is 11.5nm and that of water liquid 15.5nm. Covers small hairline cracks and keeps fungal growth at bay and to avoid water penetration.

COMPOSITION

EC Classification: Not classified as hazardous.

No significant quantity of classified hazardous substances present.

(CL/RL = Controlled/Recommended level 'S' = Skin annotation)

TECHNICAL DATA	
Colour	White, Standard oxide colours
Consistency	Powder
Pot Life	8 hours maximum at 23°C
Coverage	3-5 m ² per Litre per coat, depending on the substrate profile
Dry Film Thickness:	75µm - 90µm per coat.

Tensile Adhesion	0.89N/mm ² on cured concrete
De-canning sizes	4,5 Kg 18 Kg

HAZARDOUS INGREDIENTS

Hazardous Components	OSHA PEL PPM	ACGIH TLV (TWA) PPM	% BY WEIGHT	CAS #	Other Limits Recommended
Portland Cement	5.0 mg/ m3	1.0 mg/m3	50 - 60 %	65997-15-1	
Hydrated Lime	5.0 mg/ m3	10.0 mg/m3	5 - 15 %	39445-23-3	
Calcium Carbonate	10.0 mg/ m3	10.0 mg/m3	30 - 40 %	1317-65-3	

HAZARD IDENTIFICATION

SAPMA Health Rating: 4-MINIMAL – No great risk to health

Primary route of exposure	
Inhalation	Avoid exposure to vapours, fumes and mists.
Eye contact	No direct hazard is expected but possible contact with any chemical must always be avoided.
Skin contact	No hazard expected if used in moderation.
Ingestion	Irritating and nauseating.

No carcinogenic, mutagenic or genetic effects established.

May have short term environmental effects. Contain, monitor & remove.

FIRST AID MEASURES

Inhalation	Move to fresh air.
Eye contact	In case of any contact and discomfort rinse well with water and seek medical advice.
Skin contact	Always wash after handling chemical substances.
Ingestion	Wash mouth with plenty of water. Do NOT induce vomiting. Seek medical attention.

FIRE-FIGHTING MEASURES

This product is not combustible, use agent most appropriate to extinguish fire

ACCIDENTAL RELEASE MEASURES

Contain & collect. Keep out of drains and sewers

HANDLING AND STORAGE

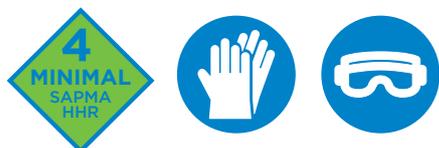
Store separately from any reactive substances - oxidisers in particular

EXPOSURE CONTROLS / PERSONAL PROTECTION

SAPMA Rating: 4-H-C PPE: Eye protection

Personal protection	
Inhalation	In case of insufficient ventilation, use suitable respiratory protection.
Skin protection	Use only as directed.
Eye protection	Avoid direct contact. Never touch eyes with dirty hands or gloves.
Ingestion	Observe the rules for hygiene. Wash before eating, drinking or smoking.

STABILITY AND REACTIVITY



Stable under normal conditions
Inert - no reaction with fire-fighting water

PHYSICAL AND CHEMICAL PROPERTIES

Boiling Range	N/A
Vapour Pressure	N/A
Vapour Density	N/A
Specific Gravity	2.67
Melting Point	N/A
Evaporation Rate	N/A
Weight Per Gallon	N/A
Solubility in Water	Miscible
Appearance & Odour	White, oxide pigment colors, odourless powder

TOXICOLOGICAL INFORMATION

No carcinogenic, mutagenic or genetic effects established.

ECOLOGICAL INFORMATION

May have short term environmental effects.

Contain, monitor & remove.

DISPOSAL INFORMATION

Use reputable waste disposal contractors. Exercise caution in disposal of used containers.

TRANSPORT INFORMATION

In terms of the National Road Traffic Act, act 93 of 1996 regulations and SANS 10228 and International Maritime

Dangerous Goods Code, Portland Cement and cement blends are not hazardous and as such do not have a U.N. number.

Portland cement is listed as an Appendix C cargo in terms of the BC Code.



REGULATORY INFORMATION

EC no.	n/a
EC Classification	Not classified as hazardous
S2	Keep out of reach of children. (Retail sales items)

OTHER INFORMATION

All data is based on the current knowledge of GREENCOAT and describes the product with reference to safety data and is therefore not intended to guarantee certain properties.

IN CASE OF ANY DISCOMFORT ALWAYS SEEK MEDICAL ADVICE

This MSDS conforms with General Administrative Regulations of 6 Sept.1996 (ISO-1014/ANSIZ400.1.1996) OELs derived from OHSAct Regulations for Dangerous Chemical Substances of 25 Aug.1995 (EH-42)

SAPMA Rating - South African Paint Manufacturers Association Guide to Health Hazards (SABS ARP 006:1991)

All information is given in good faith but without guarantee in respect of accuracy.

No responsibility is accepted for errors or omissions or the consequences thereof.

PREPARATION OF SUBSTRATE

- Wall substrate must be sound, oil and fat free.
- In the case of brittle or less firm substrates, dilute the first coat using an extra 0.250 Litres of water added to the required 8 Litres of water.
- For the 2.5 kg you must add an extra 0.05 litres of water on top of the required 2 litres of water.
- On hot and windy days, pre-damp the substrate before application.
- No excessive water on the substrate.
- No primer is required.

MIXING PROCEDURE FOR 2.5 OR 10KG

1. **FOR 18 Litre:** Decant 8 Litres of water in a suitable container to mix 18 Litres of **Eco Wallchem All** and
2. Gradually add the 10 kg of powder, while stirring with a plank (flat surface).
3. **FOR 4.5 Litre:** Decant 2 Litres of water in a suitable container to mix 4.5 Litres of **Eco Wallchem All** and
4. Gradually add the 2.5 kg of powder, while stirring with a plank (flat surface).
5. Mix for 5 minutes with mechanical mixer after the last powder is added and allow to stand for 15-25 minutes

APPLICATION

- Apply using a classic roller and brush.
- First saturate the roller in the paint on a paint tray and complete a “V” shape on the wall.
- This is to ensure that the paint is evenly distributed on the roller.
- Cut in corners using a brush and apply the paint from corner to corner or joint to joint without stoppage.
- Keep a wet edge and do not touch up after the paint has dried. The latter applies for dark colours.
- If the mixed paint in the bucket is thickening up while painting, do **NOT** add extra water. Just stir again to repair the consistency.
- Apply as a two-coat system - both coats in a similar fashion

NOTIFICATION

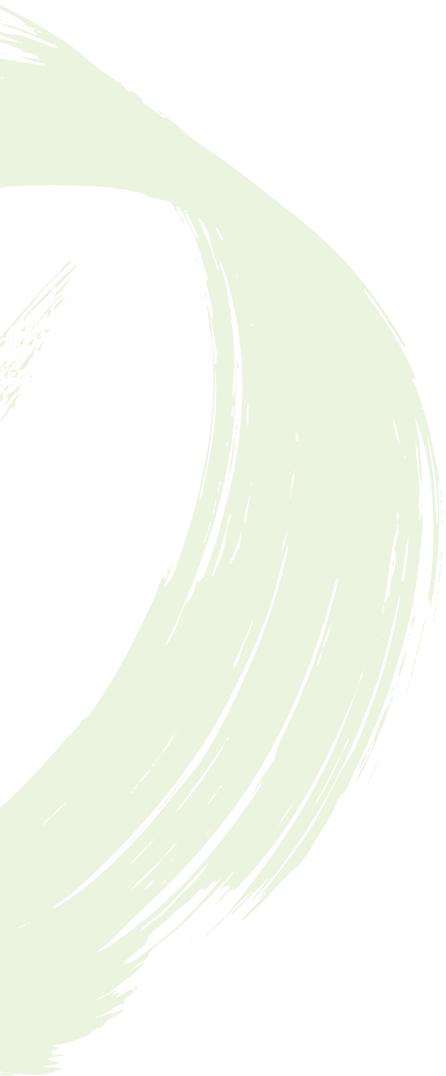
- **Eco Wallchem All** is cementitious and if applied on exterior surfaces, specifically the darker colours, rain might cause efflorescence (a white powdery residue, due to the water washing the non-soluble salts from the paint layer).
- Efflorescence might take 6 months to 9 months to wash out completely before it will start fading away.
- If efflorescence occurs, a 10% solution of white vinegar can be used to wash it or clean it four weeks after application

TO AVOID EFFLORESCENCE

- Apply a thin mist spray onto the newly painted surface, spraying from **bottom** to top a day after paint application.
- Repeat one day later. This will cure the paint quicker.
- Apply **Eco Wallchem Sealer** instead.
- Cementitious Paints take 28 days to reach full cure. After 28 days it will reach maximum strengths and washability.
- Prominent variation in the substrate might show through on the surface of the paint as a colour variation.
- Substrates must be thoroughly prepared

NOTE:

- The recommendations contained in these data sheets are based on results obtained from tests and experience. It is believed to be reliable but is given as a guide only.
- No guarantee is implied by the recommendations contained herein since conditions of use, method of application and preparation of the substrate prior to painting are beyond our control.
- Our technical section should be contacted to clarify recommendations and specifications for projects, either of a specific or general nature.



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