

ABSOLUTELY ECO-FRIENDLY



**GREENCOAT™**  
ECO PAINT

**MINEGUARD**

## 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 replacement 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

Manufacturer name	Address of	GREENCOAT
manufacturing	Tel number	7 Vuyisile Mini Street, Bethal, 2310 071 482 2029
Fax number		017 647 6011
Email		admin@greencoatpaint.co.za

## PRODUCT IDENTIFICATION

Product Name	Mineguard
Product Description	GREENCOAT Mineguard is a high quality; water-based, acrylic emulsion. The product is environmentally friendly and does not emit noxious fumes and odours during and after applications. The product has an extremely low VOC content. The product will cause no flame spread and qualifies as a fire-retardant coating. Low sheen/silk finish available in standard colours, pastel, deep and clear base. The standard colours that are available are Charcoal, Medium Grey, Light Grey, Modern Red, Modern Brown, Terracotta, Black, Green, White, Red, and Yellow.
Principal Characteristics	<ul style="list-style-type: none"> <li>• Has an excellent adhesion to most substrates, which has been primed with GREENCOAT Bind.</li> <li>• Non-combustible, could act to retard the spread of flame.</li> <li>• Quick drying and multiple coats can be applied in the same day.</li> <li>• The coating system contains a fair degree of elasticity even when fully cured.</li> <li>• Provides excellent UV stability and is available in a variety of colours.</li> <li>• When cured, the product displays water proofing qualities.</li> <li>• Is supplied ready for application and does not require thinning, it is advised not to thin the product at all.</li> <li>• No noxious fumes or odours during painting and no need for solvents.</li> <li>• Cleaning is conducted with water.</li> <li>• Not recommended for use on substrates permanently submerged in water.</li> </ul>
Intended use	GREENCOAT Mineguard is an ideal coating for plastered walls, ceilings etc. as well as other areas where an eggshell to silk sheen finish is required. It is a emulsion paint for application to most substrates for decorative and corrosion protection purposes in moderate environments.

## COMPOSITION

TECHNICAL DATA	
Solid Content % Solids by Volume PVC %	Approximately 43% Approximately 46% Approximately 29%
Drying Time @ 20°C for 25 micrometre coating and RH < 75%	Touch Dry: 15 - 30 minutes Over Coat: 60 minutes Normal service: 24 hours
Theoretical Spreading Rate	8 - 10 m <sup>2</sup> /liter @ 29 micrometers DFT. This spreading rate is for a smooth surface for reasons of convenience and comparison. The user must calculate the practical spreading rate.
Colour	White plus a range of colours
Solvent	Water
Flash point	Water based - NOT flammable
Thinner	Must NOT be thinned
Pigments	Organic or inorganic pigments
Specific Gravity	1.2 approximately
Pot Life	No Limitations
Cleaner	Water

Thickness Recommended	(Micrometer) DFT 25-30 WFT 50-75 per coat (Concrete, plaster, masonry) Surface roughness will affect the measurement of wet and dry film thickness. Dry film thickness per coat as given is for the guidance of the user. Individual applicators must ascertain themselves as to what thickness can be attained with their equipment.
Application	Suitable to apply with a brush, roller and/or spray gun
De-canning Sized	1L Buckets 5L Buckets 20L Buckets

## HAZARD IDENTIFICATION

<b>Primary route of exposure</b>	
Inhalation	Ensure proper ventilation during application in a confined space.
Eye contact	When in direct contact with material you need to wash out with water and seek immediate medical attention.
Skin contact	Prolonged and repeated contact cause no irritation. No specific symbols are required for the use of the products - The products are non-combustible and non-flammable and do not have specific acute, chronic or toxic effects on humans, nor are they harmful to the natural environment when released.

## FIRST AID MEASURES

Eye contact	Flush eyes with large amount of water, if irritation persists, consult a physician.
Skin contact	Wash the skin with soap and water.
Ingestion	Drink plenty of water.

## FIRE-FIGHTING MEASURES

When applied on surfaces: Non-combustible, could act to retard the spread of flame.

Smoke toxicity index	Toxic gas factor - 1.0.
When cured (not applied)	Can burn.
Extinguishing agents	Normal foam, powder, water spray, or carbon dioxide (CO <sub>2</sub> ).

## ACCIDENTAL RELEASE MEASURES

Personal precautions	Follow normal safety precautions and if spillage occurs in a confined space, ensure there is adequate ventilation. There is no LD 50 data available for the products and the concentrations of particularly hazardous materials are so low that they are not considered a significant hazard under the recommended conditions of use.
Environmental precautions	No environmental hazard when applied on surfaces or cured (solidified). No threat to fresh or seawater animal life.
Methods for cleaning up	Contain the spillage with sand or earth and take up spilled material (if possible) on a non-flammable absorbent (sand, earth, diatomite, chemical binders) and put in an appropriate container. Label the container with the waste designation, and dispose according to the legislation - do not use solvent.

## HANDLING AND STORAGE

Safe handling advice	Avoid direct contact with skin and eyes. Avoid inhalation and ingestion. Take personal protective measures and follow the protection and safety regulations. When working with coating products in a spray cabin, sufficient control of aerosols are unlikely and breathing apparatus such as respirators can be worn during spraying if preferred.
Measure to prevent fire	No specific preventative measures are required, but keep the application area well ventilated.
Requirements for storage	Store in original containers (if possible) and keep tightly closed in a cool, dry, well-ventilated area. Although the products are not defined as dangerous goods, protect the products from direct extreme heat such as sources of ignition. Avoid direct sunlight and do not store in conditions below freeze-point.
Shelf life	2 years if well sealed.

## EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limit: OSHA PEL 15 mg/m (total dust), 5 mg/m (respiration fraction)

<b>Personal protection</b>	
Respiratory protection	Respiratory program must be followed whenever workplace conditions warrant a respirator's use. Not required if airborne concentrations are maintained below exposure limit listed in exposure limit information.
Eye Protection	Safety glasses with impenetrable side shields are recommend.
Skin protection	Gloves may be used if required, but no known effects have been observed.

## STABILITY AND REACTIVITY

Stability	Stable when following the handling and storage recommendations.
Conditions to avoid	Avoid temperatures above 40°C, direct sunlight and below freeze point for storage conditions.
Incompatibility	None known
Hazardous decomposition	By fire - carbon dioxide (CO <sub>2</sub> ) and carbon monoxide (CO).

## PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquids
Colours	(GREENCOAT Bind) Milky, (GREENCOAT Metalcoat) Modern Red, Green or Black (GREENCOAT Paint) Range of colours
Odour	Characteristic of the specific product (faintly similar to a PVA paint product in some cases)
PH	-8 -9
Reactivity	Salt fog resistant
UV Resistance/Weathering	No visible breakdown in test period
Density	> 1 gm/cm
Vapour density	Heavier than air
Solubility	Miscible in / with water prior to cure
Evaporation rate	< 1 water (see section 5)

Acute toxicity	No known effects – health hazard rating in group 4 (minimal) of the Recommended Practice (ARP 006: 1991) guideline
Skin contact	No known effects
Eye contact	Splashes can cause eye irritation
Chronic toxicity	No known effects
Carcinogenicity	No known effects
Mutagenicity	No known effects
Neurotoxicity	No known effects
Reproductive hazards	No known effects
Additional information	The products have not been tested, but their classifications calculated according to conventional methods from the dangerous substances regulations. The products have been used to paint aquariums that house tropical fish and ponds that house Koi fish with no effects at all. The products do not emit noxious fumes or odour during and after application.

## ECOLOGICAL INFORMATION

Aquatic toxicity	No known effects
Biodegradability	Products are considered highly biodegradable, but not tested
Bioaccumulation	No known effects
Mobility	Not tested
Additional information	The product is environmentally friendly with a very low VOC (Volatile Organic Compound) as tested by the Huntingdon / SWL laboratories, Report number: 261394 - 23093

## DISPOSAL CONSIDERATION

Disposal key	080103 – EWC waste from water-based paints.
Disposal method	Hand over empty packaging to an authorised disposal company / waste company – the waste regulations of the appropriate authorities are to be followed.

## TRANSPORT INFORMATION

ADR / FID (Road)	Not dangerous materials according to these regulations.
GGVSee / MDG (Maritime)	Not dangerous materials according to these regulations.
IATA (AIR)	Not dangerous materials according to these regulations.

## REGULATORY INFORMATION / EEC CLASSIFICATION

EEC hazard classification	None of the substances of the products are classified by the EEC as hazardous.
TSCA certification	All of the substances in the products are listed, or exempt from listing, on the TSCA.
National legislation	Pay attention to the Occupational Health and Safety Act.

## 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.

## APPLICATION INSTRUCTIONS AND TECHNICAL DATA

- These instructions are not intended to show product recommendations for specific services.
- They are issued as an aid in determining correct surface preparation and application procedures.
- It is assumed that the proper recommendations have been made.
- These instructions should be followed closely to obtain the maximum service from the material.

**Application:** Suitability prepared concrete, metal and any surfaces as recommended.

**Compatible Coatings:** A test patch is recommended before use of most coatings.  
Contact your GREENCOAT dealer for specific information.

## REQUIREMENTS FOR STORAGE AND APPLICATION

Parameter	Storage (Unopened)	Paint	Substrate	Environment
% RH (Relative Humidity)	100 % Maximum	-	Min 2°C above Dew Point	85 % Max
Temp °C Min	5°C	5°C	5°C	5°C
Temp °C Max	40°C	40°C	40°C	40°C

## GENERAL SURFACE PREPARATION:

All surfaces must be prepared using either GREENCOAT Bind as a primer, or GREENCOAT Metaltreat. Previously painted and old primed surfaces must be cleaned by removing all grease, paint and loose friable dirt with GREENCOAT Greenwash. Old enamel or oil painted surfaces should be sanded to a matt finish. Chalked PVA or distempers surfaces should be sealed with GREENCOAT Sealer. Trial patches are required prior to full application.



**GREENCOAT CC**

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