

ABSOLUTELY ECO-FRIENDLY



FLOORPAINT

TECHNICAL AND MATERIAL SAFETY DATA SHEET

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SUPPLIER IDENTIFICATION AND INFORMATION

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PRODUCT IDENTIFICATION

Product name	Floorpaint (Interior & Exterior)
Product Description	GREENCOAT Floorpaint is a water-based, pure acrylic, quick-drying durable sealer. It has waterproofing qualities and is suitable for multiple surfaces. Suitable for spraying and brushing applications. The product is environmentally-friendly and does not emit noxious fumes and odours during and after application. A water clear, mid-sheen finish that is available in 8 standard wood varnish colours.
Principal characteristics	<ul style="list-style-type: none"> • High film builds to cover irregular surfaces. • The product is non-toxic and Zero H.A.P.
Intended use	<ul style="list-style-type: none"> • Good impact resistance and suitable for all floor surfaces. • Has good waterproofing qualities and excellent abrasion resistance. • Ideal for vibrating structures i.e. bridges and airports

COMPOSITION

TECHNICAL DATA	
%Solid by Mass % Solid by Volume	Minimum 90% Minimum 95%
Drying Time @20°C for 1 micrometre coating and RH <75%	Touch Dry: 10-30min Re Coat: 1 – 2 Hours Normal surface: 36 Hours Full Cure: 4 Days
Theoretical Spreading Rate DFT	8-10m ² /litre (Coat) DFT 2 This spreading rate is for a smooth surface for reasons of convenience and comparison. The applicator must calculate the practical spreading rate.
Colour	Cement grey can be tinted to various pastel colours
Solvent	Water
Flash point	Water-based – none flammable
Thinner	Must NOT be thinned
Pigments	Organic or inorganic pigments Chrome and Iron
Specific Gravity	Approximately 1.25
Shelf Life	24 months from date of manufacturing
Pot life	8 Hours from opening
Cleaner	Water
Thickness Recommended	<ul style="list-style-type: none"> • Minimum 1mm. Maximum as required. • 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 applicator. • Individual applicators must ascertain for themselves what thickness can be attained with their equipment.

APPLICATION	
Application	Suitable to apply with a wooden float, metal towel, sheep skin roller and a brush. If the product is applied too thick it will crack. Floorpaint should be applied in layers.
De-canning Sizes	1 Litre 5 Litre 20 Litre

HAZARD IDENTIFICATION

PRIMARY ROUTE OF EXPOSURE	
Inhalation	Ensure proper ventilation during application in a confined space.
Eye contact	When in direct contact with material you need to wash with water and seek immediate medical attention.
Skin contact	Prolonged and repeated contact causes no irritation. No specific symbols are required for the use of the products – the products are not combustible or 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.

- SABS test: 653/82156/G3503 Spread of flame index
- Singapore Institute of Standards and Industrial Research test; G 158352/MW Spread of flame index: 0.0
British Standard 478 part 7 - 1971 - class one (exceeding class 3 limits)
- SABS test: 321/85151/G152.

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 ₂).

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	<ul style="list-style-type: none"> No environmental hazard when applied to surfaces or cured (solidified). No threat to freshwater or marine life.
Methods for cleaning up	<ul style="list-style-type: none"> Contain the spillage with sand or earth. 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.

Safe handling advice	<ul style="list-style-type: none"> 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 is 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	<ul style="list-style-type: none"> 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 freezing point.
Shelf life	±2 years if well-sealed.

EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Personal protection	
Respiratory protection	Respiratory programme 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 recommended.
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 177°C, direct sunlight and below freezing point for storage conditions.
Incompatibility	None known
Hazardous decomposition	By fire – carbon dioxide (CO ₂) and carbon monoxide (CO).

Appearance	Liquids
Colour	Milky (GREENCOAT Bind), oxide red or black (GREENCOAT Treat), range of colours (GREENCOAT Paint)
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	75 000 hours – No visible breakdown
Density	> 1 gm/cm
Vapour density	Heavier than air
Solubility	Miscible in / with water prior to cure
Evaporation rate	< 1 water (see section 5)

TOXICOLOGICAL INFORMATION / HEALTH EFFECTS

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	<ul style="list-style-type: none"> 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 and described by America as a revolutionary breakthrough.

HUNTINGDON LABORATORY EVALUATION: CALCULATION AND VOC DETERMINATION

Tests	Resin Formula "B"	Finished product paint
ASTM D-1475 Density (lbs/gal)	8.71	11.08
ASTM D-2369 Volatile (wt.%)	89.1	41.4
ASTM D-3792 Water (wt.%)	68.2	35.9
Organics by difference	20.9	5.5
VOC (lbs/gal)	1.82	0.61 (0.00731033Kg. /litre)

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.

Features Included:

- Quick drying - overcoat 30 - 60 minutes
- Excellent flexibility - will never harden.
- UltraViolet and weather resistant proof: 75, 000 hours +
- Good abrasion resistance
- Exceptional performance in wet weather.
- Colour fastness
- Zero flame spread

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 Min	40°C	40°C	40°C	40°C

Surface Preparation:

- All surfaces must be prepared using either GREENCOAT Bind primer, or GREENCOAT Sealer.
- 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 distempered surfaces should be sealed with GREENCOAT Sealer.
- Trial patches are required prior to full application.
- Patch prime where required with the appropriate primer.

Application:

Suitable to apply by pump sprayer.



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