SAINT-GOBAIN

ravenol

BLACK BITUMINOUS PAINT

DESCRIPTION

ravenol is a solvent-borne bituminous based coating.

USES

- Protective coating for metallic and cementitious surfaces
- Suitable for drinking water tanks and piping
- Protective coating for vehicle chassis

ADVANTAGES

- Economical
- Provides protection
- Easy to apply

SURFACE PREPARATION

Any surface to which **ravenol** is to be applied must be clean, mechanically sound and dry. Surfaces should be free of oil, grease, loose material and old paint.

BONDING/PRIMING

No priming required.

MIXING

Stir well before use. For spray application through conventional equipment, some 10 - 15% by volume dilution with white spirits or turpentine substitute will be needed. If used in a dipping bath, the viscosity should be reduced to some 20 sec BSB4.

COVERAGE

Practical coverage for estimating purposes: 8 m^2/ℓ depending upon surface texture and porosity. Where **ravenol** is applied to concrete
5 °C to 40 °C or other cementitious surfaces, the coverage will depend upon the porosity of the surface but will probably average about 4 m^2/ℓ.

TYPICAL PHYSICAL PROPERTIES OF WET MATERIAL	
Density (typical)	0,92 g/cm^3
Colour	Black
Finish	Initially glossy Dulls on weathering
Flash point	38 °C
Dilution	White spirits or turps substitute
Consistency	Medium viscosity liquid
Toxicity	Solvents are toxic

TYPICAL PHYSICAL PROPERTIES	
Volume solids (typical)	50%
Fire resistance of wet film	Flammable
Typical (brushed) dft/coat on steel	50 µm
Theoretical coverage for above dft	10 m^2/ℓ on smooth surface
Wet film thickness at above	100 µm
Recommended no. of coats	2 coats minimum
Drying time @ 25 °C	Touch dry: 1 hour Hard dry: 24 hours
Overcoating time @ 25 °C	Minimum 2 hours

APPLICATION

Application by brush, spray or dip. **ravenol** may be applied directly from the can. If used in a dipping bath, the bath should be as narrow as possible to present minimum surface area to the atmosphere and thus reduce volatile loss.

ravenol has limited corrosion inhibitive properties when applied to iron or steel.

NOTE: Minimum requirements for airless application - 23:1 airless pump such as the Graco Monarch with 5 - 6 bar inlet air pressure.

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TYPICAL PHYSICAL PROPERTIES OF DRY FILM	
Maximum service temp Dry Immersion	 60 °C 60 °C
Weather resistance	Chalks when exposed to sunlight
Distilled water resistance	Good
Water resistance	Good
Water tainting	Non tainting
Solvent resistance	Non resistant
Chemical resistance	**Resists:** 10% ammonium hydroxide 40% sodium hydroxide, 10% hydrochloric acid, 10% sulphuric acid and domestic bleach

CLEANING

Tools, brushes and mixing equipment should be cleaned immediately after use and before material has set with **abe® super brush cleaner** followed by washing with soap and water.

TEMPERATURE AND RELATIVE HUMIDITY

Application temperature range: 5 °C to 40 °C

MODEL SPECIFICATION

Bituminous coating for steel.

The coating will be **ravenol**, a one component, solvent-based, coating applied in accordance with the recommendations of **a.b.e.®**. The coating will have a density of 0.92 g/cm^3.

PACKAGING

1 ℓ, 5 ℓ and 25 ℓ containers

HANDLING & STORAGE

This product has a shelf life of 24 months from date of manufacture if kept in a dry cool place in the original packaging and under cover. In more extreme conditions this period might be shortened.

HEALTH & SAFETY

Fire resistance of wet material: Flammable.

Toxicity: Solvents are toxic.

Ventilate working area well during application and drying. Avoid flames in vicinity. Always wear gloves when working with the material and avoid excessive inhalation and skin contact. If material is splashed in the eye, wash with plenty of clean water and seek medical attention.

Cured **ravenol** is inert and harmless.

IMPORTANT NOTE

This data sheet is issued as a guide to the use of the product(s) concerned. Whilst **a.b.e.®**endeavours to ensure that any advice, recommendation, specification or information is accurate and correct, the company cannot accept any liability for application – because **a.b.e.®**has no direct or continuous control over where and how **a.b.e.®** products are applied.

FURTHER INFORMATION

Where other products are to be used in conjunction with this material, the relevant technical data sheets should be consulted to determine total requirements.

a.b.e.® has a wealth of technical and practical experience built up over the years in the company's pursuit of excellence in building and construction technology.

Please consult our website for our latest datasheets.

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