a.b.e.® Construction Chemicals

silvakote

BITUMEN-BASED ALUMINIUM PAINT

DESCRIPTION TYPICAL

silvakote is a one-pack, aluminium pigmented bitumen solution.

USES

A general purpose reflective aluminium paint for metallic, most bituminous and concrete surfaces.

ADVANTAGES

- UV resistant.
- Highly reflective.
- Easy to apply.

SURFACE PREPARATION

Any surfaces to be coated with **abe® silvakote** should be clean, mechanically sound and dry.

Steel – should be free of rust and loose material as well as oil, grease and loose paint.

Galvanised steel – should be free of loose paint, grease and in the case of new material, free of anti-white rust treatment.

Bituminous surfaces and sheet waterproofing membranes – should be free of dust, chalking and any other loose material. New bituminous surfaces should weather for 8 weeks before coating.

BONDING/PRIMING

silvakote is normally applied directly to the surface but the following priming systems may be used where conditions so dictate.

Steel – etch primer.

Galvanised steel – no priming needed.

Bituminous surfaces – no priming needed except on 'hungry' sheet waterproofing membranes where a coat of **bitu.®prime** may be applied.

MIXING

As the aluminium pigment settles very easily **silvakote** must be stirred well before use, using a flat paddle. All settled material must be thoroughly dispersed. Keep **silvakote** well stirred during use.

TYPICAL PHYSICAL PROPERTIES OF WET MATERIAL	
Density (typical)	0,985 g/cm³
Colour	Bright aluminium
Flash point	38°C
Dilution	Not recommended
Consistency	Low viscous liquid
Drying time @ 25°C	Touch dry: 1 hour Hard dry: 2 hours

TYPICAL PHYSICAL PROPERTIES DURING APPLICATION	
Volume solids	33%
Overcoating time @ 25°C	Minimum: 2 hours
Fire resistance of wet film	Inflammable
Recommend no. of coats	Two

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DATE UPDATED: 31/03/14

TYPICAL PHYSICAL PROPERTIES OF DRY FILM	
Max. service temp	Dry 70°C
Weather resistance	Weathers well but dulls with age
Toxicity	Non-toxic
Water resistance	Not recommended for immersion conditions
Solvent resistance	Will not withstand solvent spillage due to attack on bitumen
Chemical resistance	Film (aluminium) attacked by both acids and alkalis

COVERAGE

Steel and galvanised steel: 14 m²/1L @ 60 µm wft

Resulting dft: 20 µm

Bituminous surfaces: 6 - 8 m²/1L

Note: Due to the viscosity and aluminium pigments contained in **silvakote** this product exhibits both high spread and hiding characteristics. Low film build should, however, be avoided in the interests of longevity with due care during installation to apply the specified coating thickness.

APPLICATION

silvakote may be applied by conventional spray or by brush or roller. On large applications it is often applied by soft broom or roofing mop. Coverage is very dependent on the porosity of the surface.

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.

PROTECTION ON COMPLETION

It may be necessary to apply a further coat of **silvakote** after three years.

TEMPERATURE AND RELATIVE HUMIDITY

Application temperature range:

5°C to 50°C. Do not apply if surface is less than 2°C above dew point.

MODEL SPECIFICATION

Bituminous aluminium paint for metallic, concrete and waterproofed surfaces.

The aluminium paint will be **silvakote**, a one-component, aluminium reflective coating applied in accordance with the recommendations of **a.b.e.® Construction Chemicals**, including **bitu.®prime** where necessary.

PACKAGING

1L, 5 L, 25 L, 200L containers.

HANDLING & STORAGE

This product has a shelf life of 12 months if kept in a dry cool place in the original packaging. In more extreme conditions this period might be shortened.

HEALTH & SAFETY

Wet **silvakote** is flammable and naked flames should not be allowed in the vicinity of the work area. Adequate ventilation must be provided when working in confined areas. Always wear gloves when working with the material and avoid excessive inhalation and skin contact. If material is splashed into the eye, wash with plenty of clean water and seek medical attention.

Cured **silvakote** 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.® Construction Chemicals** endeavours to ensure that any advice, recommendation, specification or information is accurate and correct, the company cannot - because **a.b.e.®** has no direct or continuous control over where and how **a.b.e.®** products are applied - accept any liability either directly or indirectly arising from the use of **a.b.e.®** products, whether or not in accordance with any advice, specification, recommendation, or information given by the company.

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