

abecote 340

Epoxy resin floor coating

DESCRIPTION

abecote 340 is a two-component solvent based, decorative epoxy resin floor coating.

USES

abecote 340 provides a protective, hardwearing, decorative and oil-resistant finish to cementitious masonry and metal surfaces. The coating is also used in a variety of areas such as workshops and assembly plants, and wet production areas such as food and bottling plants, and dairies. As a seamless floor coating **abecote 340** is also suitable for use in hygienic areas such as kitchens, hospitals and pharmaceutical production. **abecote 340** can also be used as a decorative sealer coat for **abescreed**.

FEATURES & BENEFITS

- Increases the durability of a floor.
- Reduces maintenance costs.
- Improves housekeeping and removal of dust – easy to clean.
- Tough protective and decorative coating.
- Resistant to most commonly used chemicals and oils.
- Economical.
- Easy to apply.
- Excellent adhesion to concrete, sand and cement screeds, and most metal surfaces.
- Cures to a hard and semi-gloss finish.
- Available in a range of colours.

COLOUR

CAUTIONARY NOTE:

Variations in aggregates can cause variations in floor colour. Although every effort is made to keep product colours consistent, it is advisable to use product from the same batch in specific areas. Products can be pre-blended to further limit colour variations.

SURFACE PREPARATION

CONCRETE – Surfaces must be clean and mechanically sound and free of laitance, nibs, dust, grease and oil. Light grit blasting or grinding is the preferred method of surface preparation. Wet abrasive, or acid etching are other methods which can be used but these being wet methods time delays can occur waiting for the surface to dry.

TYPICAL PHYSICAL PROPERTIES	
Pot life	3 hrs @ 25°C
Tack-free time	4 hrs @ 25°C
Overcoating time	8 - 24 hrs @ 25°C
Full cure	7 days
Dry film thickness	2 coats applied @ 8 m ² /lt/coat will give 100 µm Dft.
Coverage	±40 m ² / 5 kg
Flash point	+ 23°C

Scabbling might create rough surfaces, which cannot be covered by a thin film coating. Oil and grease contamination needs to be removed by means of degreasing or hot compressed air depending on the depth of penetration. Small holes should be filled with an epoxy such as **epidermix 372** mixed 1 to 1 by volume with **abe No.2 silica sand**. Larger holes can either be filled in the same way or with an epoxy mortar such as **abescreed**. A cementitious mortar such as **aberep 710** can be used or a sand/cement gauged with **duralatex** and laid into a **duralatex**/cement/sand slush. Unlike the waterborne epoxy coatings these substrates need to be dry before applying **abecote 340**.

STEEL - Steel surfaces to be overcoated need to be grit blasted to SA 2,5.

Surface preparation:

The substrate must be dry before application
Moisture content tests must be conducted prior to application of the priming system. Maximum moisture content should be between 4-5%. (eg Protimeter Survey Master or equivalent)
or
Dynamic Calcium Chloride moisture "weight gain" over 24 hours
or
(a practical overnight "plastic sheet test" is also advisable approx. 1m² masked down on surface)

PRIMING

CONCRETE FLOORS - Ensure that all dust and loose particles are removed by means of vacuum. It is not usual to apply a primer under **abecote 340** but very porous surfaces should be primed with **abecote 386**.

STEEL - Ensure steel is clean and free of rust, oils, grease, dirt or any flaking material. Prime with **abecote 384**.

MIXING

Pre-stir base and activator separately. Add the entire activator component to the base component and stir for at least 5 minutes using a flat paddle. Mechanical mixing gives better dispersion than manual mixing and the mixing time can be reduced to 3 minutes. A suitable mixing method would be a heavy-duty slow-speed electric drill (approximately 200 r/min) fitted with a paddle. The use of flameproof equipment is advised.

COVERAGE

abecote 340 will cover ±40 m² per 5 kg kit depending on the profile of the surface being covered.

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Technical data sheet

abe Construction Chemicals (Pty) Ltd. P.O. Box 23053, Isipingo, 4110, South Africa. 7 Wilcox Road, Isipingo, 4110 Tel. (031) 913 5400

APPLICATION

Do not apply if substrate or ambient temperature is less than -5° C or above +35° C.

Mixed **abecote 340** may be applied to the substrate by brush, or short-fibre roller.

Ideally the first coat should be applied by brush. Ensure that no ponding occurs. Allow to cure 8 – 24 hours @ 25° C before application of subsequent coats. For increased chemical resistance or additional lifespan a further coat/s is advised.

Drying time will depend upon temperature, humidity and ventilation. If working indoors or in confined spaces, always ensure adequate ventilation.

Adhere to the pot life as indicated on the table supplied. While unused material may still appear workable after this time, it must under no circumstances be used.

MODEL SPECIFICATION

Two-component solvent based epoxy resin floor coating.

The coating will be **abecote 340**; a two-component epoxy resin coating system applied in accordance with the recommendations of **abe Construction Chemicals**.

PACKAGING

abecote 340 is supplied in 5 kg kits.

HANDLING & STORAGE

abecote 340 epoxy resin coating has a shelf life of 12 months if kept in a dry, cool store in the original, unopened packs.

If stored at high temperatures and/or high humidity conditions, the shelf life may be reduced.

HEALTH & SAFETY

Uncured **abecote 340** can cause skin irritation. Gloves and eye protection should always be worn. Always ensure good through ventilation when working indoors. Splashes into eyes should be washed immediately with plenty of clean water and medical advice sought.

Cured **abecote 340** is non-toxic, inert and harmless.

IMPORTANT NOTE

This data sheet is issued as a guide to the use of the product(s) concerned. Whilst **abe Construction Chemicals** endeavours to ensure that any advice, recommendation, specification or information is accurate and correct, the company cannot - because **abe** has no direct or continuous control over where and how **abe** products are applied - accept any liability either directly or indirectly arising from the use of **abe** 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. **abe 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.

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