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CROSSCOTE "NEW USER GUIDE"

In addition to the following guidance notes please refer to the Crosscote Product Information Sheet

PRODUCT DESCRIPTION

Crosscote is a specially formulated polymer/cement based product designed to be applied over a wide range of surfaces. Crosscote provides a durable surface which bonds strongly to the substrate. It has a degree of flexibility to accommodate movement in the substrate and structure of the building.

TYPICAL USES

Crosscote has excellent adhesive characteristics and will bond to most common building materials. It can be applied to both horizontal and vertical surfaces. Crosscote is suitable for both internal and external application to achieve a durable and protective finish to many types of building structures. Crosscote can be finished with a variety of textured and decorative effects. It can be over-coated with all types of walling and flooring products (e. g. Ceramic Tiles, Epoxy Coatings etc.). When used in external situations where vapour permeability must be maintained it can be overcoated with suitable water based coatings to further enhance the decorative and functional properties of the surface.

SUITABLE SUBSTRATES

Crosscote will adhere to a wide range of substrates including concrete, wood, asphalt, steel, glass, slates, lead, galvanised or corrugated iron, bitumen based materials, expanded polyurethane foam, rigid fibreglass, asbestos and mineral based tiles etc.

COLOUR & GRADES

Crosscote is supplied in the standard colours of grey and white; however other colours are available to special order. The powder is supplied in three grades; standard, smooth and hard.

PACKAGING

Crosscote is supplied in two components, a polymer liquid in 20 litre plastic pails or jerry cans and all grades of powder are packed in 25 kg multi wall paper bags.

DIRECTIONS FOR USE

Powder Grade Selection:

The Standard grade of powder is generally used on horizontal surfaces and is suitable for light to medium traffic, providing an excellent anti slip finish; in some situations standard grade can be used for vertical applications. The Smooth grade is generally used for vertical applications.

Hard grade powder is used for applications generally involving heavy traffic movements such as driveways and car parking areas. It is advisable to use the standard grade of powder for the first or bonding coat where hard grade powder is selected as the final finish.

In heavy traffic movement conditions or areas receiving high levels of abrasive use up to 3 coats of hard grade powder may be required.

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Surface preparation

THOROUGH SUBSTRATE PREPARATION IS ESSENTIAL

All surfaces must be clean and free from loose materials. Areas contaminated by oil and grease should be thoroughly cleaned with an oil dispersant cleaner.

Defects in existing surfaces must be made good, before applications.

Where evidence of organic growth, lichen, moss etc. is apparent, surfaces must be treated with a long term fungicidal/biocidal treatment which should be allowed to react and washed off thoroughly. Careful attention should be given to areas on both horizontal and vertical surfaces such as cracks and joints where water penetration is possible. Rust etc. must be removed and treated with a suitable metal primer.

Mixing

The ideal mixing tool is a slow speed drill fitted with a multi action mixing paddle.

The unit of material supplied is based on the standard mix of 20 litres of liquid to 50 kgs of powder (i.e.1 part of liquid to 2.5 parts of powder) but it should be noted the ratio of liquid to powder can be adjusted to suit individual applications in terms of surface, usage and prevailing temperature. The ratio can vary from 1 part of liquid to between 1.75 up to 3.75 parts of powder.

IMPORTANT: only mix a quantity of material at any one time which can be comfortably applied within the Pot Life period and prevailing conditions at the time of application.

EXAMPLE: 2 litres of liquid mixed with 5 kgs of powder, the standard mix, will yield $5m^2$ at 1mm nominal thickness (see coverage guide information).

The liquid should be pre-stirred prior to measuring out the required quantity and adding the appropriate amount of powder. Pour the liquid into a clean open mixing vessel (e.g. an open top plastic bucket) and always add the powder into the liquid slowly, continually mixing until all the powder to be used is added. Continue mixing for a further 2 to 3 minutes ensuring there are no lumps in the mix. The final consistency should be similar to that of a thick cream.

Please note: Crosscote is a balanced formulation and no additional water should be added to the mixture

Application

Before application of Crosscote to horizontal or vertical surfaces, ensure that porous surfaces are damp, this can be done simply by spraying a hose over the area to receive the application or alternatively brushing out clean water with a suitable broom. The area must only be damp and no puddles should be present, any surface water must be removed.

Very porous surfaces may be primed in the same way using a mixture of 1 part Crosscote liquid to 10 parts clean cold water.

Please note: all warm surfaces may also be cooled by following this procedure and prior to applying succeeding coats the surface of the previous coat may also be lightly damped with clean cold water following the same procedure; this will also aid the spread of the material.

CAUTION: Do not apply Crosscote on hot surfaces or at times of very strong sunlight and high temperatures as this could accelerate the drying of mixed product and produce a very rapid cure of the applied material.

Application cont'd.

Crosscote is extremely simple to apply. Apply by brush, roller, trowel or squeegee.

From the mixing vessel pour out a quantity of material that can be easily and uniformly spread using the selected tool over the appropriate area and finish to the desired texture before moving on to the next part of the mix. Repeat the mixing and application method until the selected area has been completed.

As soon as a coat has dried, between 1 and 24 hours according to climate conditions, it can be overcoated with the next coat.

Crosscote should not be applied where the air or background temperature is likely to fall below 7^{o}C or where there is a risk of rainfall on exposed applications prior to full curing being achieved.

POT LIFE & CURING TIMES

The pot life of mixed Crosscote will vary according to climatic conditions but at an ambient temperature of 20^{o}C will be in the region of 30 minutes; the curing time at this temperature generally between 1 to 6 hours.

APPLICATION TEMPERATURE

The normal application temperature range is between 7^{o}C and 25^{o}C. The temperature must not fall below 5^{o}C as this may result in a non-cure situation.

COVERAGE

The coverage rate per 20 litres of liquid & 50 kgs of powder is approximately 50m^{2} at 1mm nominal thickness.

Please note that the coverage relates to a smooth surface. The coverage on a rough surface such as spalling concrete will be much less.

CLEANING

Tools and equipment should be cleaned whilst product is still wet with water.

Hands and skin should be cleaned immediately by washing with soap and water.

SHELF LIFE AND STORAGE

Shelf life in opened containers is approximately 6 months subject to good conditions of storage.

Store in a cool, dry, frost-free environment, sealing the containers for protection against water, oil and other spillages.

HEALTH & SAFETY

Please read the Health & Safety information on the product labeling and the relevant Material Safety Data Sheets which are available from the company.

ANY QUESTIONS

For technical advice and any further information please contact the company.