



Seamless Epoxy Flooring

Solvent-Based Polyurethane Seamless Flooring

PRODUCT DESCRIPTION

The Con-Treat **Seamless Epoxy Flooring System** consists of three components: Basecoat, Decorative Flakes and a Non-yellowing Polyurethane.

The "Surecote 200" or "Epo Coat" epoxy basecoat is specifically designed to seal the substrate and provide absolute adhesion of the paint flakes.

The colour of the flakes can be varied to match or create any décor, while the textured finish contributes to the inherent slip-resistant properties of **Con-Treat's Seamless Flooring System**.

The Aliphatic polyurethane completes the system, providing a hard-wearing and easily cleaned (no waxing or polishing) attractive floor.

RECOMMENDED USES

For interior and covered exterior use on concrete, plywood and Hardiflex® or other stable substrates as a durable and easy-to-clean surface.

TYPICAL APPLICATION

Classrooms, amenity blocks, canteens, domestic garages, covered patios, rumpus rooms, showrooms, food and general retailing outlets, laboratories, hospitals, laundries and light industrial assembly floors.

SYSTEM SELECTION

Specification of a **Con-Treat Seamless Flooring System** is a straight forward process. The specifier is required to make only two decisions: Epoxy basecoat colour and size and colour of the flake.

Terraflake is available in 16 standard colour blends and a range of single colours. A standard colour blend should be selected from the colour chart or a special colour combination can be specified from the available single colours.

The Australian Trade Practices Act implies into contracts for the supply by a corporation of services as a "consumer" non-excludable warranties that, among other things, the goods provided will be of merchantable quality. Except to the extent that the Purchaser has non-excludable rights against the company under the Trade Practices Act, and because we cannot anticipate or control the many different conditions under which our products and information furnished relating to their use may be used, we do not guarantee the applicability or the accuracy of this information or the suitability of our products in any given situation. In accepting our goods the customer acknowledges:

(a) The materials are of a hazardous nature and the customer is responsible for disposal of the container in accordance with the requirements and regulations of the relevant supervising government.

(b) The materials have a limited shelf life and must be stored strictly in accordance with the guidelines and specifications relating to the particular product.

(c) The company gives no warranty as to the applicability for the particular use by the customer and the customer shall be responsible for having to ensure that the materials are fit for the use by the customer.

HOW TO SPECIFY

"The floor shall be treated with the Seamless Flooring System comprised of Epoxy basecoat, and two to three coats of Fortis 519 to give a minimum mean dry film thickness of 270 microns. The basecoat is to be either grey or beige to suit the flake blend, and the flake blend is to be (state blend of colour mix and size) as selected from the Terraflake colour range. Surface preparation and application must be strictly in accordance with the Terraflake contractor application instructions."

SPECIFICATION DETAIL

Scope of Work

The Approved Applicator shall provide all labour and materials required to complete the **Terraflake** application in all areas as outlined in the Bill of Quantities and as shown on the relevant drawings.

Materials

The components of the **Con-Treat Seamless Flooring System** products are "Epo Coat" or "Surecote 200" Epoxy, **Terraflakes** and Fortis 519 polyurethane.

Application

To be in accordance with the **Terraflake** application instructions. Heavy wear areas are to be given additional coat(s) of **Fortis 519**. These additional coats must be mentioned in the specification.

Non-Slip

Glass beads, garnet or silica sand can be added to the second-to-last coat of Fortis 519 at a rate of 50-70 mg/m² to provide slip resistance for wet environments.

Edge Details

At doorways or exposed edges, the **Con-Treat Seamless Flooring System** must finish into a 4 mm deep saw cut in the substrate, or under a 25 x 5 mm brass strip fixed to the substrate with countersunk brass screws.

Joints

Expansion joints in the substrate must be brought through the **Con-Treat Seamless Flooring System** and treated with a joining material designed for flooring applications, capable of taking up any anticipated movement. Other joints are to be filled with epoxy, prior to application of the basecoat. Where minor movement is expected, the joints must then be covered with an epoxy-impregnated fibreglass bandage over a slip joint tape.

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LIMITATIONS

While the **Con-Treat Seamless Flooring System** is highly durable, there are some situations where it may be subjected to high impact loads and where its use is not recommended. Areas of floor that are subject to concentrated wear should be protected with mats. Con-Treat's **Seamless Flooring System** is not suitable for continuous immersion in water.

Con-Treat's Seamless Flooring System is resistant to many common household chemicals and a range of commercial chemicals. However, some chemicals will attack **Fortis 519** and no responsibility is taken for attack by any substances, other than those listed on the Terraflake Chemical and Stain Resistance Chart, as being impervious to attack.

CARE AND MAINTENANCE

One of the major benefits of the **Con-Treat Seamless Flooring System** is the ease of cleaning. Floors should not be buffed (as for vinyl flooring) or waxed. Apart from being unnecessary, wax build-up will cause loss of gloss and possible discolouration. Emulsion cleaners/polishes (such as 'One Go') are not necessary for the same reasons.

Daily Maintenance

Sweep or dry vacuum to remove dirt and dust. Loss of gloss with the **Con-Treat Seamless Flooring System** is the eventual result of heavy foot traffic and gritty contaminants, not foot traffic alone.

Weekly Maintenance

Sweep as above, followed by mopping with detergent and warm clean water. Some contamination may need to be removed by regular machine scrubbing. As with mopping it is important to remove the rinse water from the floor to ensure that dirt residues are not deposited back into the profile of the floor. Inspect the floor for stains which are not water-soluble. Only in extreme cases should steel wool or other aggressive methods be used, in which case you may have to contact your licensed applicator regarding selective reglazing.

Marks

Rubber products such as car tyres, mats, etc, should be kept off the surface for three weeks. Cars should only be parked on cardboard or carpet squares if the floor is to be used during the three weeks following application.

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INDICATIVE CHEMICAL RESISTANCE OF TERRAFLAKE

| TYPE | 5 MINUTES | 24 HOURS |
|---------------------------|--------------|-----------------------|
| <u>Solvents</u> | | |
| Toluene | N/A | Damaged |
| Mineral Oil | N/A | N/A |
| Transmission Fluid | N/A | N/A |
| Radiator Coolant | N/A | N/A |
| Brake Fluid | N/A | Slight Damage |
| Kerosene | N/A | N/A |
| Petrol | N/A | Slight Damage & Stain |
| Alcohol | N/A | Damaged |
| MEK | Damaged | Damaged |
| Methylated Spirits | N/A | Slight Damage & Stain |
| <u>Acids and Alkalies</u> | | |
| 10% Hydrochloric Acid | N/A | N/A |
| 10% Sulphuric Acid | N/A | N/A |
| 4% Acetic Acid | N/A | N/A |
| 20% Phosphoric Acid | N/A | N/A |
| 10% Sodium Hydroxide | N/A | N/A |
| Glacial Acetic Acid | N/A | Damaged |
| Lactic Acid | N/A | Slight Damage |
| 5% Nitric Acid | N/A | Slight Stain |
| <u>Miscellaneous</u> | | |
| Bleach | N/A | N/A |
| Disinfectants | N/A | N/A |
| 5% Ammonia | N/A | N/A |
| Shoe Polish | N/A | N/A |
| Detergents | N/A | N/A |
| Soap Solutions | N/A | N/A |
| Cigarettes | | |
| 1) Burning | Damaged | |
| 2) Extinguished | Slight Stain | |
| Mustard | Slight Stain | Stain |
| Tomato Sauce | N/A | Slight Stain |
| Ink | Slight Stain | Slight Stain |
| Beetroot | N/A | N/A |
| Vegetable Oil / Saffron | N/A | Stain |
| Artificial Colorants | Stain | Stain |
| Vegetable Dies | N/A | Slight Stain |
| Iodine | Slight Stain | Stain |

N/A = Not Affected