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INTRODUCTION

SECTION 1 DECORATIVE POLYMER SCREEDS

ARCHITECTURAL TERRAZZITE:

Is a polished synthetic Terrazzo-like floor topping using marble/granite type aggregate and polyester resin based upon low styrene emission technology.

SECTION 2 TROWEL-ON POLYESTER-BASED TOPPINGS

SURESHIELD, SURESHIELD VE & DECORATIVE TERRAZZITE:

6 and 8 mm heavy duty trowel applied polyester-based screeds for concrete floors, where a chemical and slip resistant, impervious protective coating is required. Used in food and beverage processing areas, e.g. milk, meat, sugar, beer, cordial and related industries, acid handling areas and mineral processing. Decorative Terrazzite is the low styrene version of Sureshield utilising coloured aggregate for improved appearance yet maintaining most performance characteristics.

SECTION 3 TROWEL-ON EPOXY TOPPINGS

SURECOTE 500:

Trowel applied 4-6 mm epoxy floor topping that has the advantage over Section 2 toppings of very low odour levels during applications. Used where chemical resistance to alkaline chemicals is specifically required. Slip resistant, impervious characteristics make this product particularly suitable for food preparation, e.g. commercial kitchens, butcher shops, food preparation areas in supermarkets and meat and beverage processing establishments.

SURECOTE 500 AR:

A high molecular weight novalac epoxy for use where greater chemical resistance is needed for specific chemicals.

SECTION 4 ROLL-ON EPOXY and POLYURETHANE COATINGS

SURECOTE 200 SERIES:

A range of roll-on, chemical resistant, protective coatings for horizontal and vertical internal surfaces. Used for sealing internal concrete floor surfaces in food, beverage, oil, mining and chemical industries that are not subject to high impact abuse.

SURECOTE 300 SL:

A 2-4 mm self-smoothing epoxy flooring system for use as an ultra hygienic, smooth, impervious floor coating. Typical applications would be in pharmaceutical and dry food production areas.

REVATHANE:

A clear, non-yellowing polyurethane for sealing exposed concrete and Flake Flooring Systems.

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SECTION 5 SEAMLESS FLAKE FLOORING

TERRAFLAKE:

Decorative, low maintenance coating systems consisting of an epoxy basecoat, decorative colour chips and polyurethane topcoats. Used for sealing concrete floor surfaces where a decorative, easy-to-clean surface with good abrasion resistance and moderate chemical resistance is required e.g. laboratories, canteens, veterinary clinics, classrooms, change rooms and amenity blocks.

The Terraflake system is an epoxy basecoat, coloured flake and solvent type polyurethane topcoats.

HYDROFLOR:

Uses an epoxy topcoat with light blockers in place of polyurethane to qualify as a very low VOC system.

SECTION 6 CONCRETE SEALERS

CRETE-SEAL AP:

An acrylic-based penetrating sealer for internal and external concrete surfaces. Used where a non-yellowing, clear concrete sealer is required to prevent the penetration of oil and grease into concrete.

SURECOTE 200 PRIMER/SEALER:

A medium solids two-component clear solvent-type epoxy. The low viscosity enables high penetration into concrete and render. Ideal for priming under light colours in the Surecote 200 series.

AQUASEAL:

A clear water-based epoxy for sealing concrete.

SECTION 7 MOISTURE BARRIERS

AQUAKEM:

A water-based epoxy coating for waterproofing interior floors and walls. Used for curing seepage and dampness problems on interior surfaces of basements, tunnels, liftwells, floors and below grade car parks. Can be used as damp proof membrane on fresh concrete floor slabs. Suitable for potable water storage. (See also Section 10.)

SECTION 8 WALL COATINGS

FIBRECLENE:

A fibreglass reinforced polyester/vinylester wall coating which forms an impervious abrasion and chemical resistant membrane. Finish – white, semi-gloss. Used as a wall coating system where concrete or render walls are subjected to acid splash or high pressure water attack. Typically used in dairy factories and abattoirs.

SITUCLAD E:

A water-based epoxy system incorporating fibreglass reinforcements to form a hygienic, high impact resistant, high gloss wall cladding system for the food/beverage industry.

AQUACOLOUR:

A water-borne, two-pack white epoxy coating for walls.

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SECTION 9 FAST CURE TROWEL-APPLIED POLYURETHANE

NUTHANE:

5-8 mm polyurethane topping that has the advantage of being able to adhere to damp, cool concrete while still being considered as fast curing, without the release of volatile organic compounds.

SECTION 10 WATERPROOFING SYSTEMS

QUALIDECK:

A trafficable, waterproof system with long elongation for internal and external situations.

QUALIFLOOR:

A polyurethane system for floors requiring resilience and resistance to high abrasion.

QUALIPUR 152:

A solvent-free, UV stable, polyurethane primer. It can be used to prime both interior and exterior substrates without noxious odour.

QUALIPUR 252/252HV:

A solvent-free, UV stable, polyurethane membrane, with excellent adhesion on many substrates, including wood and asphalt and wood.

QUALIPUR 352:

A polyurethane-based coating designed as a wear coat. Qualipur 352 forms part of the system of Qualipur CF Comfort Floor.

QUALIPUR 372:

A polyurethane coating and binder with good chemical resistance and outstanding adhesion.

QUALIPUR 461

A polyurethane elastic coating with excellent chemical resistance. It is a flexible topcoat that imparts a gloss finish in several colours.

SECTION 11 MISCELLANEOUS

- Contractor Selection
- Care and maintenance of Terraflake flooring system
- Care and maintenance of Sureshield and Surecote 500 systems

SECTION 12 CHEMICAL RESISTANCE GUIDE SURESHIELD VE and FIBRECLENE VE

Harsh chemical environment coatings for floors and walls, e.g. chemical processing and second containment storage bunds.

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PRODUCT SELECTION GUIDE

This guide only covers products from the Flooring/Wall range.

- Sections 1, 2 & 3 – Trowel applied coatings
- Section 4 – Roll on epoxies
- Section 5 – Polyurethane seamless flooring
- Section 6 – Concrete sealers
- Section 7 – Moisture barriers
- Section 8 – Wall coatings
- Section 9 – Fast cure trowel applied polyurethane
- Section 10 – Waterproofing, abrasion resistant, resilient polyurethanes

More recent additions to the range, including those products in the Coatings range, offer alternatives, particularly in Codes F1, F2, F3 and W1 below. The following product legend is used with the product selection guide which was originally prepared for the Department of Defence. Similar applications apply for schools, universities, laboratories, manufacturing plants and assembly plants.

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PRODUCT LEGEND

CODE	USED FOR	PRODUCT NAME
Floors		
F1	Anti-dusting and Sealing	Crete-seal AP
F2	Light Duty Protection	Surecote 200 Series
F3	Medium Duty Protection	Surecote 500, or Surecote 200
F4	Heavy Duty Hygienic Protection	Sureshield, Surecote 500 or Decorative Terrazzite, Nuthane SB
F5	Heavy Duty Chemical Protection	Sureshield VE, Nuthane SB
F6	Light to Medium Protection	Terraflake, Surecote 200, Hydroflor
F7	Architectural Floor Systems	Architectural Terrazzite
F8	Waterproof Flooring Systems	Qualideck
Walls		
W1	Light to Medium Duty Protection	Surecote 200 HS,
W2	Medium to Heavy Duty Hygienic Protection	Fibreclene, Situclad
W3	Heavy Duty Chemical Protection	Fibreclene VE

Please refer to individual product technical data sheets for types of substrates to which above systems may be applied.

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NUPLEX FLOORING PRODUCT SELECTION GUIDE

DESCRIPTION	FLOORS	WALLS
FOOD PRODUCTION, PREPARATION, etc		
Kitchens and Messes	F4	W1 or W2
Butcher Shops	F4	W2
Bakeries	F3, F4 or F6	W1 or W2
Cool Rooms	F1 or F4	W1
Store Rooms	F3, F4 or F6	W1
Packaging Areas	F3 or F6	W1
Refuse/Garbage Areas (internal)	F4	W2
Cleaning in Place Rooms (wash rooms)	F3, F4, F5 or F6	W1, W2 or W3
Toilet/Ablution Areas	F3, F4, F5 or F6	W1 or W2
SERVICING AND MAINTENANCE		
Vehicle and/or Motor Workshops	F1 or F3	W1
Aircraft maintenance	F3 or F4	W1
Electronic Component Testing, etc	F3, F4 or F6	W1
Hydraulic Component Testing, etc	F3, F4 or F5	W2 or W3
Testing Laboratories (chemical)	F4 or F5	W2 or W3
Electroplating, etc	F4 or F5	W2 or W3
Battery Stores, Filling and Charging Facilities	F4 or F5	W2 or W3
Boiler Houses, etc	F3, F4, F5 or F6	W1 or W2
STORAGE		
General Warehousing	F1 or F3	W1
Chemicals and Liquid Waste Pits	Decision to be	made on types
Paint, Solvent and Flammable Liquids	of chemicals and	concentrations
Chemicals and Liquid Waste Pits		
HOSPITALS		
Air Locks	F3, F4 or F6	W1 or W2
Toilets and Ablution Areas	F3, F4 or F6	W1 or W2
Patient Change Rooms	F4 or F6	W1
Staff Change Rooms	F4 or F6	W1
Cleaners' Rooms	F3, F4 or F6	W1
Kitchens	F4	W1 or W2
Kitchen Wash Areas	F4	W2
Kitchen Pantry Areas	F3, F4 or F6	W1 or W2
Canteens	F1 or F4	W1
Cool Rooms	F3 or F4	W1
Refuse/Garbage Areas (internal)	F3, F4 or F6	W2
Soiled Linen Rooms	F1 or F4	W1 or W2
Soiled Utility Rooms	F3, F4 or F6	W1 or W2
Infectious Disease Pan Room	F3, F4 or F6	W1 or W2
Infectious Disease Research Laboratories	F3 or F6	W1 or W2
Ward En-Suite & Toilets	F3 or F6	W1 or W2
Duty Sister En-suite & Toilets	F4 or F6	W1 or W2
Nursing Staff En-Suite & Toilets	F4 or F6	W1 or W2
Cleaning Material & Chemical Storage Rooms	F4 or F5	W3
Medical Laboratories	F3, F4 or F6	W1 or W2
Plant Rooms	F8, F2	

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