

Technical Data Sheet

Traxite Colourfine Decorative Coating System



DESCRIPTION:

Traxite Colourfine is an in-situ, trowel applied, attractive, coloured natural quartz stone floor finish. Once applied and cured the Quartzite in selected design and colour becomes an integral part of the building structure.

Traxite Colourfine is a virtually seamless, liquid applied floor topping system and is not installed in tile form.

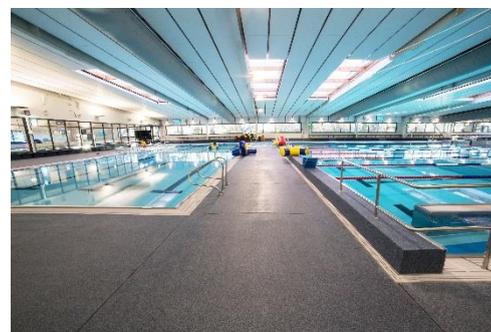
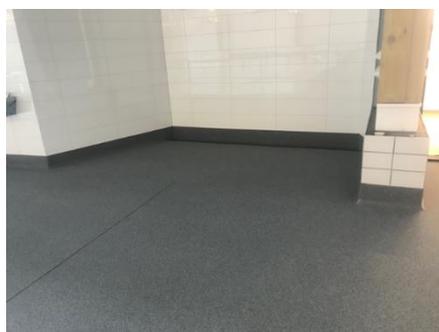
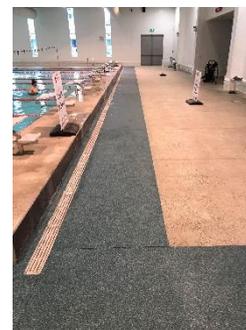
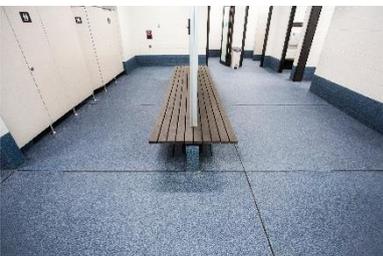
Traxite Colourfine is dimensionally stable and as such control joints are only required where appropriate for the substrate.

TYPICAL FEATURES | BENEFITS:



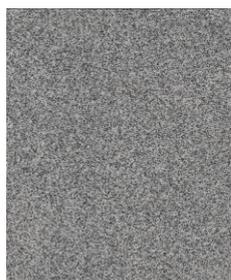
- Epoxy based resin gives excellent concrete penetration and adhesion.
- Very good abrasion and scuff resistance.
- Tolerant of application to a slightly damp surface.
- Excellent adhesion to properly prepared substrates.
- Easily cleaned.
- Excellent slip resistance.
- Cured Film is non-toxic.
- Not moisture permeable.
- Colour: Available in a wide range of colours.
- Attractive Surface Finish
- Clear coat finish options - medium gloss & high gloss option

**** Use Rapidcote Clear Finish Option for Fast Return to Service ****



COLOURS:

Sample selection of colours below. Colours may be blended to suit the requirement of the décor. Refer allnex for colour selection.



PERFORMANCE DATA:

Minimum Thickness	3mm
Minimum Application Temperature: Air	+10°C
Maximum Application Relative Humidity: Air	85%
In-service temperatures: on fully cured system	4mm -10 to +60°C
Chemical Resistance	Resistant to chemical spillage –cured 7 days at 25°C. Refer Chemical resistance chart
Critical Radiant Flux:	5.1 K/m ²
Adhesion to correctly prepared substrate	1.5MPa minimum
Moisture absorption: ASTM D570-63	0.04%
Weight per m ²	4mm - 8.8 kgs
Slip resistance	R11 – Co-efficient of Friction 0.63

RECOMMENDED USES:

- Ablution areas.
- Bars and Restaurants
- Fire Stations
- Shops
- Aquatic Centres
- Entry Foyers
- Sports Changing Facilities
- Showrooms

LIMITATIONS:

- Application below +10°C.
- Application to green (uncured) concrete. Allow 28 days.
** Will tolerate damp concrete**
- Application to unsound substrates.
- Application to incorrectly prepared surface.

HEALTH & SAFETY: Refer safety data sheets (SDS).

- Avoid skin contact.
- Provide adequate ventilation.
- Avoid breathing vapour or fumes.
- Wear safety equipment including clothing and breathing apparatus.

SUBSTRATE:

All substrates shall be stable and solid.

Concrete: New

Shall have a surface which has been mechanically trowelled to AS3610:1995 U3/NZ/3114:1987U3 finish.

Concrete shall be cured for a minimum of 28 days prior to the installation of the Traxite Colourfine.

Minimum Compressive Strength at 28 days cure: 25 MPa. (25 N/mm²)

The moisture content shall be less than: 75% RH.

Have a suitable vapour resistant membrane beneath the concrete.

Concrete: Old

Minimum Compressive Strength: 25 MPa. (25 N/mm²)

The moisture content shall be less than: 75% RH.

Have a suitable vapour resistant membrane beneath the concrete.

******Note******

If the substrate is an above grade slab and waterproofing is required to comply with NZBC E3, consult with allnex Construction Products.

QUALITY ASSURANCE:

The allnex Licensed Contractor shall ensure all QA checks have been undertaken prior to the installation process and subsequently during the installation process. The completed documentation must be made available to allnex and the client/clients authorised personnel.

The product is to be installed within the required control range to ensure a fully cured hard wearing monolithic floor topping system.

Information to be recorded daily is:

- Concrete sub-base or prefill mix.
- Material batch numbers used.
- Sequence of mixing, ratios and quantities and formula.
- Substrate moisture content & Substrate temperature.
- Ambient temperature | Ambient relative humidity.
- Daily detail of licenced contractors on-site.

PRODUCT PROPERTIES:

Pot Life: ~ Supascreed Primer ~ Surecote System Resin / Hardener ~ Revathane ~ Rapidcote Clear	+20°C ~75%RH +20°C ~75%RH +20°C ~75%RH +20°C ~50%RH	1 hour 1 hour 1 hour 6 hours
Touch Dry: ~ Supascreed Primer ~ Surecote System Resin / Hardener ~ Revathane ~ Rapidcote Clear	+20°C ~75%RH +20°C ~75%RH +20°C ~75%RH +20°C ~50%RH	1 hour 6 hours 6 hours 30 minutes
Hard Dry: ~ Supascreed Primer ~ Surecote System Resin / Hardener ~ Revathane ~ Rapidcote Clear	+20°C ~75%RH +20°C ~75%RH +20°C ~50%RH +20°C ~50%RH	24-48 hours 12+ hours 24+ hours 4 hours
Recoat time: ~ Revathane ~ Minimum ~ Maximum ~ Rapidcote Clear ~ Minimum ~ Maximum	+20°C ~75%RH +20°C ~75%RH +20°C ~50%RH +20°C ~50%RH	6 hours 18 hours After this time: Refer: Re-glaze technical literature 1 hour 48 hours After this time: Refer: technical literature
Full Cure: ~ Revathane ~ Rapidcote Clear	+20°C ~75%RH +20°C ~50%RH	7 days 24 hours
Thinning: ~ Supascreed Primer ~ Surecote System Resin / Hardener ~ Revathane ~ Rapidcote Clear	Clean Potable Water Not recommended Not recommended Not recommended	
Clean Up	Solvent HA	
Dangerous Good Class ~ Supascreed Primer ~ Surecote System 500 Resin ~ Surecote System 500 Hardener ~ Revathane ~ Rapidcote Clear Resin ~ Rapidcote Clear Hardener	Hazard Class 9 Packing Group III Hazard Class 9 Packing Group III Hazard Class 8 Packing Group I Hazard Class 3 Packing Group III Hazard Class 3 Packing Group III Hazard Class 3 Packing Group III	
Packaging ~ Supascreed Primer ~ Surecote System 500 Resin ~ Surecote System 500 Hardener ~ Revathane ~ Rapidcote Clear Resin ~ Rapidcote Clear Hardener	6.4 kg Kit 20 kg Polypail 200 kg Metal Drums 20 kg Polypail 20 litre Metal Pail 9.8 kg Metal Pail 1 kg Metal Tin	
Shelf life	12 months from date of manufacture. (After this period consult with allnex)	

SURFACE PREPARATION:**Concrete:**

Prepare concrete by mechanical abrasion method to:- **CSP4-5**. (Concrete Surface Profile Scale - International Concrete Repair Institute)

See technical literature: - http://www.allnexconstruction.com/pdf/Floor_Preperation_Requirements.pdf

Remove all concrete curing agents, contaminants and any other material likely to affect the adhesion of the Traxite Colourfine System. Do not apply over existing coating without checking compatibility, Over-coating is not likely to be successful without strong, coarse abrasion.

Prefill any large divots with allnex K125 or Epoxy Fairing Cream and diamond grind to remove any highpoints or contaminants.

COVES:

Where required:

See technical literature – Details: - http://www.allnexconstruction.com/pdf/Details_resin-floor-toppings.pdf

Install Coves:

- Small Pencil Coves: Surecote System 500 | Supascreed
- Other Coves: Surecote System 500 | Supascreed

Install allnex cove upper termination metal strips: **5.2mm or 9.2mm rebated strip.**

Use a rebated wall cut if the coving strip cannot be used.

Install fibreglass CSM cloth in floor/wall internal junctions. (Required on surfaces other than Concrete upstands)

STZ PREFILL: (for adding falls, slope modification and floor angles)

Where required:

STZ prefill system types: See STZ technical literature. http://www.allnexconstruction.com/pdf/stz_prefill.pdf

The falls must be specified pre-tender. (Traxite Colourfine is a medium build floor coating and prefill may involve significant extra materials).

The quantities of materials required to raise the floor height at wall perimeters is often underestimated. To do this may involve significant extra costs and should be discussed and agreed. It is a very common for STZ prefill system to be used under Traxite Colourfine to create falls to drains and other filling applications. Normally for new work falls are laid in the concrete and fall to drains. However, in refurbishment the drains and falls are incorrect. Sometimes new drains are installed. The Prefill create falls of at least 1: 50 to ensure no ponding water. (1:100 will fall but will have standing water in places).

INSTALLATION:

Primer:

Use Supascreed Primer (**Solvent Free**) at 5-6m²/Lt. Apply evenly. Allow to fully dry before application of the Surecote System 500 Basecoat.

Alternatively, dilute Surecote System 500 with Methylated Spirits (10 parts to 1 part and use that as a primer).

****Note****

Whilst primer is still wet broadcast sparingly the design aggregate into the wet surface. This will act as the gauge for the application of the Surecote System 500 Basecoat.

Allow to fully dry before application of the Surecote System 500 Basecoat.

SURECOTE 500 MIXING:

Mix Ratio: By weight or volume

Resin - Part A	2 parts
Hardener - Part B	1 part

Mixing:

Measure correct quantities of Surecote System 500 Resin (Part A) and Surecote System 500 Hardener (Part B) to a suitable container. Power mix at low speed (approximately 300rpm) for 2 minutes ensuring both compounds are homogeneously blended, and the colour is uniform. Scrape the pail sides with a long broad-knife and then mix again Mix slowly to avoid air entrapment.

Note: ensure no unmixed materials remain on the sides, rims or lips of the containers.

APPLICATION METHOD:

Roller | Brush | Trowel.

The Surecote System 500 must be applied in such a manner to achieve a minimum 1mm thickness. This is achieved by using the design gauge aggregate in the primer coat as the guide.

Ensure all finished edges of the Traxite Colourfine are supported to avoid damage. Traxite Colourfine may be applied to skirting's, coves and upstands if required with the use of specially formed trowels.

Floors must be protected during cove/skirting installation.

TOPCOATS:

Option #1

Revathane Glaze Topcoats

1st Coat at 2m²/litre

2nd Coat at 4m²/litre

Option #2 –

Rapidcote Glaze Topcoats – Fast Cure – Rapid return to service

1st Coat at 2m²/litre

2nd Coat at 4m²/litre

****Caution****

Ensure glaze coats have been applied in accordance with the Relevant Technical Literature

JOINTS:

All concrete control and construction joints should be carried through the Traxite Colourfine using allnex K130 Epoxy or PU40 sealant.

MAINTENANCE:

Repairs:

Chemically clean.

Mechanically abrade surface.

Repair any divots with allnex K125 or Fairing Cream.

Apply Traxite Colourfine as per "Installation instructions".

CLEANING:

Mopping is **not** adequate for removal of dirt and grime from the surface profile of the Traxite Colourfine. We therefore recommend the use of a soft bristled broom in conjunction with the cleaning solution. Or on larger areas a mechanical scrubbing machine.

**** Note****

Ensure all detergent materials, dirt etc. is thoroughly rinsed from the surface following cleaning.

FIXING OF PLANT AND MACHINERY:

Mechanical fixings into the substrate must be resin fixed. This is to ensure that there is no water migration into the substrate. Conventional expanding plugs, screws or anchors are not an acceptable fixing method.

CHEMICAL RESISTANCE:

Chemical spillages should be cleaned up immediately.

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