 Method Statement / Specification

**Terraflake 200 Decorative Flake Coating System**

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| **PREPARED FOR:** |  |
| **CONTRACT:** | Installation of allnex construction products;**Terraflake 200 Decorative Flake Coating System****For Floors and Walls**Project: |
| **DATE:** | September 2023 |
| **SCOPE:** | 1. General Conditions of Contract.
2. General assessment and scope of work.
3. Pre-Start Execution
4. Substrate requirements & surface preparation.
5. Installation allnex **Terraflake 200 Finish**
6. Optional: Coves, Drains, Up -stands
7. Installation of Control Joints / Sealants.
8. Maintenance
9. Cleaning
10. Quality Assurance
11. Protection Of Work
12. Warranty
13. Approved Installation Companies
14. Documents to be consulted along with this specification
 |
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| **NOTES:** |  |

**1.0 GENERAL CONDITIONS OF CONTRACT**

1. All materials shall be installed using best trade practices and in accordance with the manufacturers recommendations or instructions. If any doubt exists please contact allnex construction products for advice.
2. Materials may only be installed by allnex approved applicators using staff skilled in the installation of all products covered by this specification. Applicators are to make available senior skilled staff to supervise the work while in progress.
3. The Applicator shall take reasonable steps to protect the general public, his work and adjacent surfaces during the time that his work is in progress.
4. Applicators are required to provide an acceptable Health and Safety programme which meets all the requirements of the current “Health & Safety in Employment” legislation. Applicators must also comply with any other relevant government legislation or local body laws, regulations or requirements.
5. The Applicator is to provide samples showing colour and finish for final approval by the client or his consultant prior to commencing work on site.
6. This specification is to be read in conjunction with relevant product information and conditions of contract which may be issued by the client.
7. The Applicator is to inspect all areas to be treated and must be satisfied that the surface is satisfactory to receive the proposed allnex system. If any doubt exists it is the responsibility of the Applicator to seek advice from allnex construction products.
8. Any warrantee required will be supplied by the allnex Applicator and backed up by our agreement with them.

*Refer: Section 13 below*

1.9 allnex Q.A. procedure and documentation is to be accurately recorded and kept on site during the contract. allnex construction products reserves the right to inspect this documentation at any time. A copy of all relevant Q.A. information is to be returned to allnex within one month of completion of the work on site.

1.10 There shall be no substitute materials used unless written approval is provided by allnex construction products prior to the installation.

**2.0 GENERAL ASSESSMENT**

2.1 This specification has been prepared to detail the requirements and ensure client understanding as to the synthetic resin wall and/or floor toppings being proposed for the afore-named project by allnex construction products.

 The correct installation will increase the durability, life expectancy and aesthetics of the facilities and will also provide site personnel with a safe working environment.

 2.2 Applicators will be required to work closely with the main contractor and / or their designated co-ordinator / consultant to minimise disruption as a result of any work undertaken. Specific time requirements and logistics are to be negotiated directly between the Applicator and the main contractors authorised personnel.

2.3 Any change required during the course of the contract must be in writing.

2.4 The main contractor is to organise the removal of necessary equipment, plant etc prior to the commencement of the contract.

2.5 All food or food packaging likely to be affected by the installation process (e.g. fumes /dust) should be removed from the area.

 2.6 Provision for falls to drains, pre-filling etc. is to be discussed, priced and confirmed in writing, prior to the commencement of the contract. Repair any unsatisfactory falls, levels, etc. using STZ prefill system.

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| **Floor Fall Definitions** |
| 1:50 | Liquids will free run to drainage |
| 1:80 | Liquids will migrate to drainage |
| 1:100 | Some ponding of liquids will occur, squeegee to drainage will be required. |

 *Floor Fall:*

 *The existing floor slab shall be checked in the following manner.*

1. *Around the perimeter of all walls, the levels shall be checked at maximum 500mm centres.*

*A continuous horizontal level shall be struck based on the highest point level found.*

1. *Where a level floor finish is called for the highest point level shall be found.*

*This point will determine the base point for the floor and the wall perimeter.*

*iii) Where falls are built into the concrete floor slab the difference between the lowest (floor waste) points and the highest (level determined under (i) and (ii) above) shall be checked against the levels proposed in the documents.*

 *Should the Applicator find that the concrete substrate requires remedial work before he can commence his application, then he shall request the Main Contractor to rectify the areas of defect.*

 *Once the existing levels and proposed base levels are determined, the existing floor slab shall be corrected (if required) using STZ Prefill. Refer: allnex STZ Prefill design document.*

 *Prefill shall be laid over all areas necessary to achieve the following results:*

*i) Around the perimeter of all walls and to all areas where a level floor finish is specified prefill shall be applied to provide a sub base level of +/- 3mm over a 3 metre grid.*

1. *To areas where a fall is specified prefill shall be applied to provide a sub base where a line laid between the high and low points shall be of constant gradient and very by no more than 3mm over a 3 metre length.*

2.7 All flooring is to comply with co-efficient of friction requirements to ensure compliance with current legislation.

2.8 If for any reason the Applicator is unable to carry out the installation of the allnex system in accordance with this specification, and relevant material data sheets, it is the responsibility of the Applicator to bring this to the attention of the client and / or allnex construction products in writing. This must be done prior to the commencement of the work.

2.9 The allnex Terraflake 200 system is also suitable for upgrading and resurfacing existing sound resin floor topping systems. Consult allnex construction products for specific project advice.

2.10 Applicators are required to clean up all debris etc from the work area once their work is completed.

2.11 Technical Data

 Refer to allnex Construction Products Website for the latest technical literature.

 ***GUIDANCE NOTE***

 ***Use this clause when specifying by performance. Refer to the NZBC verification method D1/VM1 and acceptable solution D1/AS1. This clause may justify expansion, particularly where tiles are being laid in public areas.***

**2.12 Properties**

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| **Element** | **Values** |
| Minimum Thickness: | 0.9mm DFT |
| Primer:  | Surecote 200  |
| Basecoat: | Surecote 200 |
| Terraflake Type Options: | Refer Section: 2.14 |
| Finish Glaze Coat Options: | Refer Section: 2.15 |
| Non-Slip Options: | Refer Section: 2.16 |
| Coving System: *Type 1*Cove Height:Cove Radius:Colour:  | Supascreed ResinSupascreed Hardenerallnex STZ Cove SandSurface Finish Smooth :mm25mm | 50mm | 75mm or other (Delete as Necessary)To match floor (or as Specified) |
| Coving System: Type 2Used for installing small coves only: not upstandsCove Radius:Colour: | Supaset Surface Finish Smooth 15mm | 20mm | 25mm | 50mm (Delete as Necessary)To match floor (or as Specified) |
| Cove Capping Detail: | STZ Cove Strip: 5.2 or 9.2 Rebated |
| Cove Capping Sealant: | Sabreseal CR |
| Floor Joint Sealant: | Sabreseal SMP60 |
| Pot Life Surecote 200: | +140C ~ 75%RH+180C ~ 75%RH+25C ~ 75%RH | 80 minutes70 minutes55 minutes |
| Surecote 200 - Touch Dry:  ~ Ready for Flake Application Coat | +140C ~ 75%RH+25C ~ 75%RH | 5.2 hours 3 hours  \*May be reduced with high air flow and increased temperature |
| Glaze coat: ~ Over Flaked Surecote 200 | +250C ~ 75%RH | 16 hours |
| Recoat Time: ~ Revathane Glaze ~ Nuthane Topcoat Gloss | +200C ~75%RH+200C ~75%RH | 6 -8 hours1 hour per coat \*Dependent on air flow |
| Light Foot Traffic: | +200C ~ 75%RH | 12 hours minimum |
| Full Use: | +200C ~ 75%RH | > 72 hours |
| Thinning: ~ Surecote 200 ~ Revathane Glaze ~ Nuthane Topcoat Gloss  | Solvent HANot recommendedNot recommended |
| Clean up: ~ Surecote 200 ~ Revathane Glaze ~ Nuthane Topcoat Gloss  | Solvent HASolvent HAAcetone |
| Dangerous Good Class:  | Refer SDS sheets |
| Packaging: ~ Surecote 200 Resin ~ Surecote 200 Hardener ~ Flakes ~ Revathane Glaze ~ Nuthane Topcoat Gloss Resin  ~ Nuthane Gloss Hardener ~ Solvent HA ~ Supaset ~ Supascreed Resin ~ Supascreed Hardener | 20 litre Plastic Pail4 litre Plastic Pail 5kg Plastic Lined Cardboard Box4 litre Tin | 20 litre Metal Pail9.8 kg (10 litre) Metal Pail1 kg (1 litre Plastic Bottle)4 Litre Tin | 20 Litre Metal Pail20kg Plastic Lined Paper Bag20 kg Plastic Pail | 200 Litre Metal Drum6.7 kg Plastic Pail |
| Shelf life: ~ All Components  (*Except Flake and Solvent HA)* | 12 months from date of manufacture.*(After this period consult with allnex)* |

 **2.13 Terraflake 200 – System Types**

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| **System Step** | **Revathane Topcoat**  **Option A** | **Nuthane Topcoat Gloss Clear****Option B** |
| Primer  | Surecote 200 @ 6m2/ litre *Thinned: 5% Solvent HÁ* | Surecote 200 @ 6m2/ litre*Thinned: 5% Solvent HÁ* |
| Basecoat  | Surecote 200 @ 3m2/ litre | Surecote 200 @ 3m2/ litre |
| Flakes | Flake Blend @ 0.5kg m2 | Flake Blend @ 0.5kg m2 |
| 1st Topcoat | Revathane @ 6m2/litre | Nuthane Topcoat Gloss Clear @ 9m2/litre |
| 2nd Topcoat | Revathane @ 6m2/litre | Nuthane Topcoat Gloss Clear @ 9m2/litre |
| 3rd Topcoat | Revathane @ 6m2/litre | Nuthane Topcoat Gloss Clear @ 9m2/litre*This coat is required if using non-slip additive* |

**2.14 Glaze Coat Options**

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| **Revathane*****Recommended & preferred topcoat***Interior/exterior. | **Nuthane Topcoat Gloss Clear**Interior/exterior. |
| Solvent based: **Aliphatic, UV protected** moisture cured polyurethane. **Suitable for all applications** but does have a very strong odour during application. | **UV protected.** Suitable for most applications**Do not** use in cold, damp situations. **Long term** exposure to extreme UV may cause yellowing.**Best** applied in conditions with good air movement to assist in drying. **Overcoat time 1 hour** in good drying conditions.Three (3) coats required if using non-slip additives |
| Theoretical Film Build~ Minimum 250 microns~ 3 x coats | Theoretical Film Build~ Minimum 250 microns~ 2 x coats |

**2.15 Terraflake 200 Surface Finish | Non-Slip Options**

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| --- | --- | --- | --- | --- | --- | --- |
| **Surecote****Type** | **Description** | **Description** | **CF Rating** | **SRV Rating** | **R Rating** | **Non-Slip** |
| **Installation Type** | **Finish Type** | **NZ/AS****3661.1****1993** | **AS/NZS 4586** |  | **Application Rates** |
| **Type A** | Smooth: No non-slip addition  | Smooth | 0.46 | 41 | R11 |  N/A |
| **Non-Slip****Class 1** | Fine non-slip:  ~ Microcells  ~ Revtred | Fine non-slipFine-Medium non-slip | 0.540.56 | 5051 | R11 R12 | Applied in second to last CoatRevathane @150grams/4 LtrNuthane Topcoat Gloss @ 50grams/4 Ltr12 grams / m2Broadcast application |
| **Non-Slip****Class 2** | Medium - Heavy: non-slip:Note Well\*Use of the following aggregates will change/discolour the appearance of the Terraflake system ~ Q900 ~ Walton Park 18/36 ~ Aluminium Oxide 16 grit ~ Walton Park 7/14  ~ Aluminium Oxide 12 grit | Fine – medium garnetMedium-round silicaCoarse- sharp/angularCoarse- round silicaVery coarse -sharp | 0.73 0.730.750.750.75 | 6464656565 | R13 | 1.0 kg / m2These non-slip aggregates arebroadcast into the first wet coat |

2.16 Trims and Edging

Refer project drawings for all trims, edging and termination detailing between resin floor finishes and other

## **3.0 PRE-START EXECUTION**

### 3.1 Storage

Accept all materials and accessories undamaged and dry. Store drums, pails and aggregates upright with other material on level surfaces in non-traffic, non-work areas that are enclosed, clean and dry and devoid of solar heat gain.

### 3.2 Handling

 Avoid damage to drums and accessories.

### 3.3 Preparation

 Record batches and stock numbers. Follow the allnex QA requirements for preparatory conditioning of materials working temperatures and conditions before, during and after application of the selected systems.

Protect the work from solar heat gain.

### 3.4 Do Not Start

 Work shall not commence until the building is enclosed, all wet work is complete and good lighting is available.

For external applications protect the work area from adverse climatic conditions.

### 3.5 Inspect

 Inspect the substrate to ensure it complies with the requirements of the selected finish system.

### 3.6 Protection

 Protect adjoining work surfaces and finishes during the installation.

3.7 Site Safety

3.7.1 Ensure a site meeting has been held to acquaint other site workers with the requirement for closed access to the work area.

3.7.2 Ensure Health and Safety requirements are understood and agreed to prior to the commencement of the

 contract.

3.7.3 Overalls are recommended when using this product.

3.7.4 The use of fans to provide positive forced air draft and/or extraction is recommended.

3.7.5 Flammable 3C.-

3.7.6 Erect “No Smoking” signs. No Welding or naked flames permitted within a 10-metre radius during installation -

3.7.7 Have fire extinguishers readily available.

 *Refer: safety data sheets (SDS) for all requirements.*

### 3.8 Technique

Before beginning the installation confirm the proposed layout of material, location of control joints and other visual considerations of the finished work.

**4.0 SUBSTRATE REQUIREMENTS**

**4.1** **New Concrete**

4.1.1 New concrete shall have a surface which has been mechanically trowelled to NZS3114:1987 U3 finish or better.

4.1.2 A minimum compressive strength of 25 MPA at 28 days cure.

4.1.3 A minimum cure time of 28 days.

4.1.4 Have a moisture content less than 75% RH or 18% WME *(exceptions seek further advice from allnex construction products technical)*

4.1.5 All falls and levels to be accurately laid into the concrete. *Refer: 2.6 above*

4.1.6 For slab on ground installations a suitable vapour resistant membrane beneath the concrete slab is required.

4.1.7 A surface free of cement laitance or other contaminants and any roughly screeded or floated areas.

* + 1. Remove all concrete curing agents, contaminants and any other material likely to affect the adhesion of the Terraflake.
		2. Cracks in the concrete are to be chased and filled with allnex K125 epoxy paste or treated as a control joint as appropriate.

4.1.10 Deep depressions, impact damage, hollows etc. to be repaired or filled as appropriate using K125 or STZ Prefill.

4.1.11 Small defects, depressions etc. to be repaired or filled as appropriate using allnex Fairing Cream.

4.1.12 Repair any unsatisfactory falls, levels, etc. using STZ Prefill as appropriate.

**4.1.13 New Concrete Surface Preparation**

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| **allnex recommend mechanical abrasion techniques as the surface preparation method.** |
| Preferred Option | Captive Shot blasting |
| Secondary Option | Bush Hammers |
| Third Option | Diamond Grinding |
| Minimum Requirement | CSP 3 or 4 |
|  *Refer: allnex Surface Preparation Technical Literature* |

 **4.2** **Existing Concrete**

4.2.1 Ensure existing concrete is sound and stable with a minimum compressive strength of 25 MPA.

4.2.2 Remove all contaminants including cement laitance, dirt, grease, oil, fats, existing coatings, unsound substrate etc by steam cleaning, captive shot blasting, grinding, scabbling, hammering etc as appropriate.

4.2.3 Have a moisture content less than 75% RH or 18% WME *(exceptions seek further advice from allnex Construction Products).*

4.2.4 All falls and levels to be accurately laid into the concrete.

4.2.5 For slab on ground installations a suitable vapour resistant membrane beneath the concrete slab is required.

4.2.6 A surface free of any roughly screeded or floated areas.

* + 1. No traces of cure membranes.

4.2.8 Cracks in the concrete are to be bandaged using allnex K125 epoxy paste or treated as a control joint as appropriate.

4.2.9 Deep depressions, impact damage, hollows etc. to be repaired or filled as appropriate using K125 or STZ Prefill.

4.2.10 Small defects, depressions etc. to be repaired or filled as appropriate using allnex Fairing Cream.

4.2.11 Repair any unsatisfactory falls, levels, etc. using STZ Prefill as appropriate

 **4.2.12 Existing Concrete Surface Preparation**

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| **allnex recommend mechanical abrasion techniques as the surface preparation method.** |
| Preferred Option | Captive Shot blasting |
| Secondary Option | Bush Hammers |
| Third Option | Diamond Grinding |
| Minimum Requirement | CSP 3 or 4 |
|  *Refer: allnex Surface Preparation Technical Literature* |

 **4.3 Plywood | Fibre-cement**

 **4.3.1** **Plywood Sheet:**

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| **Element** | **Value** |
| Framing | All framing must comply with current legislation. Framing must take into consideration all loading parameters. |
| Plywood: | Must Comply with AS/NZS2269. |
| Plywood Type: | H3.2 treated CCA (water-based treatment) with a square edge. |
| Plywood Thickness: | Floors: 17mm – Minimum.Walls : 12mm – Minimum. |
| Plywood Installation | Loose butted. |
| Plywood Fastening Type: | Corrosion resistant screws - preferably 50mm stainless screws. |
| Fastening Spacings: | Perimeter: 150mm.Centres: 200mm. |
| Countersink Fastening: | All fastenings must be countersunk 0.5mm.Fill with allnex Fairing Cream. |
| Plywood Sheet Joints: | All joints must be left with a uniform finish.Where required: Install Situclad EHD Reinforcement bandage to all plywood joints.  |

 *Note*

 *If using the Situclad EHD bandage system, this will show in the finished work.*

 *To minimise this, the plywood edges can be rebated down to allow for this. This is best done prior to the plywood installation but may be achieved post installation with the use of a Router.*

 *The joint width shall be a minimum of 75mm*

 **4.3.2 Fibre Cement Sheet**

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| **Element** | **Value** |
| Framing | All framing must comply with current legislation Framing must take into consideration all loading parameters. |
| Fibre Cement: | Must Comply with AS/NZS2269 |
| Fibre Cement Type: | With rebated edges that can be stopped to flush the joints.  |
| Fibre Cement Thickness: | Floors: 18mm - MinimumWalls : 9mm – Minimum |
| Fibre Cement Fastening Type: | 316 Stainless Screws - 50mm x 10g |
| Fastening Spacings: | Perimeter: As per manufacturer’s instructionsCentres: As per manufacturer’s instructions. |
| Countersink Fastening: | All fastenings must be countersunk as per Manufacturer’s instructions.Fill as per the Manufacturer’s instructions. |
| Fibre Cement Sheet Joints: | All joints must be left with a uniform finish. |
| Fibre Cement Sheet Joints: - Flushing | All joints must be flushed in accordance with the Manufacturer’s instructions. |

 *Note*

 *In all cases:- Refer to the Manufacturer’s installation instructions.*

## **5.0 APPLICATION OF COVES ETC.**

 5.1 Ensure the substrate is properly prepared and is suitable to receive the chosen allnex Cove finish.

 **5.1.1 Supaset Cove Installation – *For fillet coves only.***

 5.1.2 Install Supaset fillet coves to the specified cove radius.

 5.1.3 Ensure that all dags and imperfections are removed following installation. This can be done by abrading the surface with 40 – 60 grit sanding paper.

 5.1.4 Once finished and hardened the Terraflake 200 system may be applied

 *Refer: Section 2.13 above*

**Observe minimum/maximum recoat recommendations**

 **5.2** **Supascreed Cove Installation – *For full height coves incorporating aluminium cove cap.***

5.2.1 **Cove Reinforcement**: Apply a Fibreglass bandage to the junctions between all timber framed or insulated panel walls and floors using 450 gsm chopped strand glass matt and the mixed Supascreed . The Fibreglass is to extend to full height of cove/upstand and a minimum 50mm onto floor.

5.2.2 **Cove Capping**: Install allnex 5.2 | 9.2 rebated cove cap termination detail strictly in accordance with the specifications and recommendation of allnex Construction Products and specific site requirements.

 Ensure aluminium cove flashing is mechanically fixed at a minimum of 300mm centres and positively sealed to provide a hygienic finish and overlap the fibreglass bandage.

5.2.3 Accurately weigh and thoroughly mix the Supascreed Resin and Hardener in the correct proportions in a separate container. Add the graded aggregates (correct weight) to the mixed resin and hardener, mix until homogenous, consistent and free of lumps.

5.2.4 Apply evenly by way of trowel the Supascreed Cove ensuring consistency along the detail. Ensure good compaction and the designed radius for the area is as indicated.

5.2.5 Ensure the transition of the cove base onto the flooring area is smooth, even and free of nibs and depressions.

5.2.6 All cove details are finished smooth.

5.2.7 As soon as the resin cove detail has hardened sufficiently de-nib followed by vacuuming to remove dust etc.

 5.2.8 Once finished and hardened the Terraflake 200 system may be applied

 *Refer: Section 2.13 above*

**Observe minimum/maximum recoat recommendations**

**6.0 INSTALLATION OF ALLNEX TERRAFLAKE 200 FINISH**

 **6.1 Preparation of Flakes:**

If the flakes require blending to achieve the correct colour mix. *Refer: Colour & Colour Mix Charts*

 6.1.1 Lay a sheet of plastic

6.1.2 Weigh flakes to achieve the require blend ratio and put them onto the plastic sheet.

6.1.3 Blend them by turning them with a plastic shovel taking care not to break them up too much.

6.1.4 Sieve the Terraflake chips to remove any fine particles.

6.1.5 Ensure the substrate is properly prepared and is suitable to receive the allnex Terraflake 200 finish.

6.1.6 Neatly mask out and protect all areas not covered by the proposed work.

 **6.2 Pre Start Application**:

 6.2.1 Ensure the substrate is properly prepared and is suitable to receive the allnex Terraflake 200 finish.

 6.2.2 Neatly mask out and protect all areas not covered by the proposed work.

 6.2.3 Box blend different batches of Surecote 200 to ensure evenness of colour.

 **6.3 Surecote 200: Kit Size and Coverage**:

 **Mix Ratio: *By volume*** -

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| **Element** | **Values** |
| Surecote 200 Part A | 3 parts |
| Surecote 200 Part B | 1 part |

 **Kit Size and Coverage: Thinned Version**

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| **Element** | **Values** |
| Surecote 200 Part A | 12 litres |
| Surecote 200 Part B | 4 litres |
| Solvent HA ~ 1 part Solvent HA : 6 parts mixed Surecote 200 | 2.6 litres |
| Mix Total  | 18.6 litres |
| Mix Coverage: ~ Primer Coat @ 6m2/litre ~ Basecoat @ 3m2/litre | 111.6m255.8m2 |

 **Kit Size and Coverage: Un-Thinned Version – DO NOT use this version as a Primer Coat**

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| --- | --- |
| **Element** | **Values** |
| Surecote 200 Part A | 12 litres |
| Surecote 200 Part B | 4 litres |
| Mix Total  | 16 litres |
| Mix Coverage: ~ Basecoat @ 3m2/litre | 48m2 |

 **6.4 Primer Mix Ratio**

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| **Surecote 200 | Solvent HA Mixing Ratio**  |
| **Maximum coverage 6m²/litre/coat.** |
| **Surecote 200 Resin** | 3 litres |
| **Surecote 200 Hardener** | 1 litre |
| **Solvent HA** | 666mls |

 6.4.1 Surecote 200 Resin | Hardener and Solvent HA are to be thoroughly mixed in the correct proportions. (6 Parts of mixed Surecote 200 to 1 part Solvent HA)

 6.4.2 Power mix at low speed (approximately 300rpm) for a minimum of 3 minutes ensuring both compounds are homogeneously blended.

 6.4.3 Scrape the pail sides with a long broad-knife and then mix again

 *Mix slowly to avoid air entrapment.*

 6.4.4 Apply a minimum one coat of the mixed Surecote 200 Primer by brush and roller ensuring it is worked well into the prepared substrate.

 6.4.5 Coverage rate and number of coats of primer will vary depending on the porosity of the substrate.

 6.4.6 Wait until Surecote 200 Primer has cured before over-coating.

 **6.5** **Application of Terraflake 200 Basecoat**

 *In good conditions (Heat | Air flow) the Surecote 200 Basecoat could be done on the same day.*

 *If you can walk on the Primer Coat without it “sheering” under your feet, then you can apply the Surecote 200 Basecoat and Flakes.*

 *Generally, the Primer Coat will be dry enough after three (3) hours at 250C with the correct climatic conditions.*

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| ***Warning******There must be no unevenness of colour in the second coat of Surecote 200 as this will appear as discolouration in the finished floor***.**Coverage rate @ 3m2/Litre** |

 6.5.1 Mixing:- Choose the Basecoat Option: *(thinned or Un-thinned)* for the application requirement.

 6.5.2 Thoroughly mix the materials in the correct proportions.

 6.5.3 Power mix at low speed (approximately 300rpm) for a minimum of 3 minutes ensuring both compounds are homogeneously blended.

 6.5.4 Scrape the pail sides with a long broad-knife and then mix again

 *Mix slowly to avoid air entrapment.*

 6.5.5 Apply the Surecote 200 by brush and roller ensuring the correct coverage is obtained.

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 6.5.6 Whilst Surecote 200 Basecoat is wet apply the flakes *Refer: Section 6.6*

 **6.6 Application of Flakes:**

6.6.1 This may be done by hand or by air fed Hopper Gun

 \*\**If applying to walls then an air fed hopper should be the application method\*\**

 *Ensure there is no Surecote 200 visible*.

 *You are best to apply a heavy application of flakes rather than trying to use less flakes and apply evenly.*

 *Using more flake and removing the excess will be far quicker than trying to remediate any sparse areas of flaking.*

 6.6.2 Do not let the Surecote 200 basecoat dry before you get the Flakes on or there will be bare patches

 6.6.3 Allow to cure.

 **6.7 Removal of Excess Flakes**

 *For best results in* ***cold conditions*** *let the floor cure for 2 days*

 6.7.1 Use a blower to remove all loose flake.

 *This will not only save time but will enable excess flake to be removed without damage to the loose flake.*

6.7.2 Once all the loose flakes are removed scrape the floor.

 • *Using a round ended trowel (pool float) held at approx. 15 degrees off the floor from a flat position.*

 • *Scrape in an arc motion bringing the removed flake toward you.*

 *• Scrape in different directions to remove all loose edges.*

 *• There may be slight deflections in the floor, and it is imperative that you scrape into any hollows or deviations.*

 *• Use the round end of the trowel for this purpose*

 **6.8 Sanding of Flakes.**

6.8.1 This may be done if necessary, with 80 - 100 grit paper to remove any remaining flake edges.

 Sand lightly

6.8.2 Vacuum off the excess flakes and all dust.

**6.9** **Application of Chosen Glaze**

*Refer: Section 2.13*

 *Each of the Glaze options have different spread rates and required number of coats. These must be adhered*

 *to.*

 *The chosen Non-slip must be in the second to last coat of the chosen Glaze Coat Refer: Section 2.15*

 6.9.1 Mix and apply Glazes as per the products specific Technical Literature.

 6.9.2 Apply in a manner to maintain a wet edge.

 *Note*

 *For smooth surface requirements sanding must be undertaken between coats*

 6.9.3 Allow to cure

**7.0** **INSTALLATION OF CONTROL JOINTS | SEALANTS ETC.**

 **7.1 Joints:**

 All concrete control and construction joints should be carried through the Terraflake 200 System.

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| **Control | Construction Joints** | **Cold Joints | Non-Movement Joints** |
| **Sabreseal SMP60** | **Sabreseal SMP60** |
| **Floor Penetrations** | **Cove Cap Sealant** |
| **Sabreseal SMP60** | **Sabreseal CR** |

*Note*

 *The Control Joint Sealants must be installed with a bond breaker.*

7.2 The interface between the allnex Terraflake 200 flooring and stainless-steel drains, etc. are to be sealed using Sabreseal SMP60 sealant.

7.3 All penetrations through the floor/coves, are positively sealed using Sabreseal SMP60

7.4 Ensure the metal cove capping is positively sealed using Sabreseal CR.

7.5 All cold joints between sections of the Terraflake 200 flooring/coves etc. may be sealed using allnex Sabreseal SMP60 sealant.

**8.0** **MAINTENANCE**

Ease of repair is a major advantage with allnex Terraflake 200 flooring.

Damaged areas are cut out and patched level using new materials quickly and with little disruption.

**9.0 CLEANING**

 Refer: Cleaning and Maintenance Technical Literature on the allnex Construction Website.

**10.0 QUALITY ASSURANCE**

 A log shall be kept by the allnex approved applicator and made available to allnex at their request.

 Information to be recorded daily is but not limited to:-

• Material Batch Numbers • Sequence of Mixing ratios and quantities and formula

• Substrate Moisture Content • Substrate Temperature

• Ambient Temperature • Ambient Relative Humidity

*Refer: Documents QC.RF.1 | QC.RF.2 | QC.RF.3*

**11.0 COMPLETION & PROTECTION OF WORK**

The allnex approved applicator shall take reasonable steps to protect his work and the work of others trades during the time that his work is in progress.

 The General Contractor during the same time shall keep the floor areas free and clear of traffic. Thereafter, until the building is completed.

 It shall be the responsibility of the General Contractors to protect the allnex Floor Finish from damage, paint droppings, or other contamination that may prove difficult to remove or detrimental to the finish floor characteristics and performance.

 The allnex approved applicator shall:

* Check Top Coating has been installed with the correct film thickness and is uniform
* Check (If Specified) All coves details are correct (radius and height).
* De-nibbing – Ensure there are no surface dags on floors and coves.
* Check (If Specified) non-slip surface texture is as specified and even.
* Check (If specified) Falls - Check all water falls to drains, with no ponding.
* Ensure floor / topcoat is fully cured overnight prior to other trades or service

**12.0 WARRANTY**

allnex will assure that all products incorporated into this specification have been manufactured to allnex quality specifications and GMP procedures.

allnex will also assure that when correctly applied the system will meet the critical requirements of the allnex design specification.

However given that allnex has no control over the substrate, the installation environment and the installation process all warranties are supplied by the approved application company and backed by our agreement with them.

The allnex approved applicator shall provide a warranty for a period of:

 **TBC (as required) Years**

 The warranty period commences from the date of practical completion.

 Damaged areas must be repaired immediately to ensure continuity of the Warranty

**13.0 ALLNEX APPROVED REGIONAL INSTALLATION COMPANIES**

allnex will provide individual advice for specific projects and should be consulted.

It is the nature on the trade that contractor skill levels, capability and experience vary.

**14.0 DOCUMENTS TO BE CONSULTED**

● allnex Approved Applicator List ● allnex Product Technical Data Sheets

 ● allnex Colour Formulas ● allnex Surface Preparation Document

● allnex Flooring Details● allnex Cleaning Recommendations

● allnex Technical Bulletins● allnex Exterior Installation

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