 Specification

**Terratuff – Epoxy Floor Coating System**

|  |  |
| --- | --- |
| **PREPARED FOR:** |  |
| **CONTRACT:** | Installation of allnex construction products;**Terratuff Floor Finish**.Project: |
| **DATE:** | December 2021 |
| **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 **TERRATUFF**
6. Optional Clear Overglaze
7. Optional Coves, Drains, Up-stands
8. Installation of Control Joints / Sealants.
9. Maintenance
10. Cleaning
11. Quality Assurance
12. Protection Of Work
13. Warranty
14. Approved Installation Companies
15. Documents to be consulted along with this specification
 |
| **PREPARED BY:** | Colin Nolanallnex construction productsPh - +64 3 366 6802Mob - +64 21 956 160Email - colin.nolan@allnex.com[www.allnexconstruction.com](http://www.allnexconstruction.com)  |
| **REFERENCES:** |  |

**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. 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.

|  |
| --- |
| **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 Terratuff 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 Website for the latest technical literature.

2.12 Properties

|  |  |
| --- | --- |
| **Element** | **Values** |
| Minimum DFT (Microns) Thickness:   ~ Floors   ~ Walls | System Type | Finish | Microns |
| Type A: 2 x coat systemType B: 3 x coat systemClass 1 3 x coat SystemClass 2: 3 x coat System | SmoothSmoothNon -SlipNon -Slip | 1662502601000 |
| Type A: 2 x coat systemType B: 3 x coat system | SmoothSmooth | 166250 |
| Primer: | Terratuff |
| Body- coats: | Terratuff |
| Surface Finish Options:  | Refer Section: 2.14 |
| Finish Coats: | Refer Section: 2.13 |
| Coving System: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) |
| Cove Capping Detail: | STZ Cove Strip: 5.2 or 9.2 Rebated |
| Cove Capping Sealant: | Sabreseal CR |
| Optional Clear Glaze: | Revathane Glaze |
| Floor Joint Sealant: | allnex K130 | Sabreseal SMP60 |
| Pot-Life: | +200C ~ 75%RH | 8 Hours |
| Touch Dry: | +200C ~ 75%RH | 3 hours |
| Light Foot Traffic: | +200C ~ 75%RH | >24 hours |
| Cure Time: | +200C ~ 75%RH | Effectively cured after 48 hrs. Full Cure: 7 days  |
| Recoat: ~ Minimum ~ Maximum | 10 hours.16 hours. |
| ***After 16 hours: Severe mechanical abrasion*** |
| SG kg/litre: ~Resin | Hardener | 1.25 – 1.40 |
| Viscosity cps: | 200 - 260 |
| Solids %: | 75 - 77 |
| Thinning: | Not Recommended |
| Clean up: | Solvent HA |
| Dangerous Good Class: | Refer SDS sheets |
| Packaging: ~ Terratuff Resin ~ Terratuff Hardener | 4 litre Unit3 Litre metal tin1 Litre metal tin | 16 Litre Unit12 Litre Metal Pail4 Litre metal Tin |
| Shelf life: | 12 months from date of manufacture(After this period consult with allnex) |

 **2.13 Terratuff – System Types**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **System Component** | **Terratuff****Roller Applied** **Smooth Finish** **2 x coat system** | **Terratuff****Roller Applied** **Smooth Finish** **3 x coat system** | **Terratuff****Roller Applied****Non - Slip****Fine Aggregate Finish** | **Terratuff****Roller Applied****Non- Slip****Medium Aggregate Finish** |
| **System Type** | Type A | Type B | Class 1 | Class 2 |
| **Primer Coat****Coverage**  | Terratuff9.0 m2 / Litre | Terratuff9.0 m2 / Litre | Terratuff9.0 m2 / Litre | Terratuff9.0 m2 / Litre |
| **1st Coat****Coverage** | Terratuff9.0 m2 / Litre | Terratuff9.0 m2 / Litre | Terratuff9.0 m2 / Litre  | Terratuff8.0 m2 / Litre |
| **Surface Finish** | Smooth | Smooth | Refer: 2.14Surface FinishDesign options | Refer:2.14Surface FinishDesign options |
| **2nd Coat****Coverage** | N/A | Terratuff9.0 m2 / Litre | Terratuff9.0 m2 / Litre | Terratuff6.0 m2 / Litre |
| **3rd Coat****Coverage** |  |  |  | Terratuff7.0 m2 / Litre |
| **Finished DFT Thickness** | 166 microns | 250 microns | 260 microns | 1000 microns |
| **\*\*Optional\*\*****Clear Glaze Coat** | Optional Glaze CoatRevathane6.0 m2 / litre |  | Optional Glaze CoatRevathane6.0 m2 / litre | Optional Glaze CoatRevathane4.0 m2 / litre |

**2.14 Terratuff Surface Finish Design Options**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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 & B** | Smooth: Roller applied   | Smooth | 0.46 | 41 | R11 |  |
| **Non-Slip****Class 1** | Fine/Medium duty non-slip:Roller applied with the addition of:- ~ Microcells Applied in second to last coat. ~ RevtredAggregate addition broadcast into the second to last coat. | Fine non-slipFine-Medium non-slip | 0.540.56 | 5051 | R11 R12 | 100 grams addedper 4 litre of mixed material12 grams / m2 |
| **Non-Slip****Class 2** | Medium duty aggregate: non-slip:Roller Applied with the addition of:-  ~ J61 ~ Q900Aggregate addition broadcast into the second to last coat. | Fine-Medium non-slipMedium non-slip | 0.63 0.73 | 5764 | R12R13 |  2kg/m2  |

**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. *Delete sections that are not relevant to the worksite*

**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 Terratuff.
		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 STZ Prefill.

4.1.11 Repair any unsatisfactory falls, levels, etc. using STZ Prefill as appropriate to suit the proposed floor finish.

4.1.12 Small holes / defects may be filled with allnex fairing Cream.

**4.1.13 New Concrete Surface Preparation**

|  |
| --- |
| **allnex recommend mechanical abrasion techniques as the surface preparation method.** |
| Preferred Option | Captive Shot blasting |
| Secondary 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 chased and filled with 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 STZ Prefill.

4.2.10 Repair any unsatisfactory falls, levels, etc. using STZ Prefill.

4.2.11 Small holes / defects may be filled with allnex fairing Cream

 **4.2.12 Existing Concrete Surface Preparation**

|  |
| --- |
| **allnex recommend mechanical abrasion techniques as the surface preparation method.** |
| Preferred Option | Captive Shot blasting |
| Secondary 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:**

|  |  |
| --- | --- |
| **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.

 The joint bandage shall be a minimum of 75mm.

 **4.3.2 Fibre Cement Sheet**

|  |  |
| --- | --- |
| **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 INSTALLATION OF ALLNEX TERRATUFF FLOOR FINISH**

 5.1 Ensure the substrate is properly prepared and is suitable to receive the allnex Terratuff finish

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

 5.3 Box blend different batches of Terratuff to ensure evenness of colour.

 **5.4 Terratuff Mixing Ratios**

|  |
| --- |
| **Terratuff Mixing Ratio**  |
| **Terratuff Resin** | 3 Litre | 12 Litre |
| **Terratuff Hardener** | 1 Litre | 4 Litres |

 5.4.1 Measure and mix Terratuff Resin Part A with Terratuff Hardener Part B into a suitable container, power mix at a slow speed (300rpm) for a minimum of 2 minutes ensuring both components are homogeneously blended and the colour is completely uniform.

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

 Mix slowly to avoid air entrapment.

 5.4.2 Ensure no unmixed material remains on the sides, rims or lips of the container.

 5.4.3 Allow material to stand for 2-3 minutes prior to use.

 **5.5 Application Method**:

|  |
| --- |
| **Application Method Types** |
| Roller | Brush | Conventional Spray | Airless Spray |

 Note

 If spraying, care must be taken in cleaning equipment and to avoid “setting” of the Terratuff in equipment if left to stand.

 **5.6 Primer Application**

|  |
| --- |
| **Maximum coverage 9m²/litre/coat.** |

 5.6.1 Apply a minimum one coat of the mixed Terratuff ensuring it is worked well into the prepared substrate.

 Note

 If the application method is Airless Spray then the primer coat must be followed by the immediate back-rolling of the primer coat.

 5.6.2 Coverage rate of Primer will vary depending on the porosity of the substrate.

 5.6.3 Allow Terratuff primer to cure before over-coating, but overcoat within 16 hours.

**5.7** **Application of Terratuff – Type A & Type B - Smooth Finish Options**

 5.7.1 Measure and mix Terratuff Resin Part A with Hardener Part B. Refer: Section 5.4 – 5.4.2

 5.7.2 Apply the Terratuff at a spread rate that will ensure the correct system thickness as designed is achieved.

 5.7.3 Apply in a manner to maintain a wet edge.

 5.7.4 Allow to cure.

 **5.8** **Application of Terratuff - Class 1 and Class 2: Non-Slip Finish**

5.8.1 Following primer application, apply Terratuff at design spread rate.

5.8.2 Whilst wet evenly distribute to **excess** the designed broadcast aggregate.(as specified)

 5.8.3 As the resin begins to show on top of the aggregate, additional aggregate is evenly broadcast until no more resin surfaces. Broadcast Coverage depends on the chosen system approx. 4-6kg/m2

 5.8.4 Allow to Cure.

 5.8.5 As soon as the resin has cured remove all excess aggregate by sweeping followed by vacuuming to also remove dust and debris.

5.8.6 Apply specified topcoats as per the requirement of the System.

Refer: Section 2.13

## **6.0 OPTIONAL CLEAR OVER GLAZE.**

 Over glaze can be advantageous where chemical staining may occur.

 Over glaze with one coat of allnex Revathane non-yellowing polyurethane (Refer: Revathane technical data).

 Over glazes are not commonly required.

Caution

 When over glazing Terratuff Smooth System; mechanical abrasion is required to obtain the required inter-coat adhesion parameter.

 Note

 If the Terratuff material has not been mixed in the correct proportions and with the correct technique as stated then adhesion between the Terratuff and the Revathane Glaze coat will be compromised.

 Observe all minimum/maximum recoat and over-coat timing.

 Refer: allnex Construction Products for advice.

 **6.1 Smooth Surfaces**

 6.1.1 Mechanically abrade Terratuff surface.

6.1.2 Apply one (1) coat allnex Revathane glaze; apply at 10 - 12m2/litre.

 **6.2 Non-slip Surfaces**

 6.2.1 Prepare and Apply one (1) coat allnex Revathane glaze; apply at 6m2/litre

 6.2.2 Care must be taken when applying the Revathane to ensure the anti –slip profile is maintained.

6.2.3 Additional Aggregate may be back rolled into the Revathane if the anti-slip requirement has not been achieved

6.2.4 Observe all coating over-coat timings

## **7.0 OPTIONAL COVES, DRAINS, UPSTANDS ETC**

 7.1 Ensure the substrate is properly prepared and is suitable to receive the allnex Supascreed Cove finish.

 7.2 Install allnex Supascreed Cove detail strictly in accordance with the specifications and recommendation of allnex construction products.

 7.3 **Cove Reinforcement**, Apply a Fibreglass bandage to the junctions between all timber framed or insulated panel walls and floors using 450 gsm glass mat and Supascreed. Fibreglass is to extend to full height of cove/upstand and minimum 50mm onto floor.

7.4 **Cove Capping**, Install allnex aluminium STZ cove flashing to all walls at a height of 100mm (or as directed on the plan) from floors.

 Ensure aluminium cove flashing is positively sealed and overlaps the fibreglass bandage.

7.5 Coves can be completed prior to the floor installation, however they are best installed following installation of the floor. The floors must be protected during the cove installation.

7.6 Accurately weigh and thoroughly mix the Supascreed Cove 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.

7.7 Apply evenly by way of trowel the Supascreed Cove ensuring consistency across the area. Good compaction with a minimum radius for the area as indicated.

7.8 Once cured de-nib and overcoat the Supascreed cove detail with two (2) coats Terratuff,

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

 **8.1 Joints:**

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

|  |  |
| --- | --- |
| **Control | Construction Joints** | **Cold Joints | Non-Movement Joints** |
| allnex K130 or Sabreseal SMP60 | allnex K130 or Sabreseal SMP60 |
| **Floor Penetrations** | **Cove Cap Sealant** |
| Sabreseal SMP60 | Sabreseal CR |

*Note*

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

8.2 The interface between the allnex Terratuff flooring and stainless-steel drains, etc. are to be sealed using allnex K130 or Sabreseal SMP60 sealant.

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

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

8.5 All cold joints between sections of the Terratuff flooring/coves etc. may be sealed using allnex K130 or Sabreseal SMP60 sealant.

**9.0 MAINTENANCE**

Ease of repair is a major advantage with allnex Terratuff flooring.

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

**10.0** **CLEANING**

See separate allnex cleaning document for all cleaning requirements.

**11.0 QUALITY ASSURANCE**

 A log using allnex QA Sheets 1,2 & 3 shall be kept by the installation applicator and made available to allnex at their request. Information to be recorded daily is but not limited to:-

1. Material Batch Numbers
2. Sequence of Mixing ratios and quantities and formula
3. Substrate Moisture Content
4. Substrate Temperature
5. Ambient Temperature
6. Ambient Relative Humidity

**12.0 COMPLETION & PROTECTION OF WORK**

 The 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.

* Check Top Coating has removed all “boney” / ‘dry” floor and cove surfaces.
* All cove details are full and complete with no gaps that may allow water ingress.
* De-nibbing, Ensure all rough surface dags are removed from floors and coves.
* Check non-slip surface texture is as specified and even.
* Check all water falls to drains, with no ponding as specified.
* Ensure floor / topcoat is fully cured overnight prior to other trades or service.

**13.0 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 application environment and the application process all warranties are supplied by the installation contractor and backed by our agreement with them.

The flooring contractor 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

**14.0 ALLNEX APPROVED REGIONAL INSTALLATION COMPANIES**

allnex will provide individual advice for specific projects and should be consulted. It is the nature of the trade that contractor skill levels, capability and experience vary.

**15.0 DOCUMENTS TO BE CONSULTED**

● allnex Licensed Contractor List  ● allnex Exterior Installation

 ● allnex Product Technical Data Sheets ● allnex Colour Formulas

● allnex Flooring Details● allnex Cleaning Recommendations

● allnex Surface Preparation Document● allnex Technical Bulletins

**Date: December 2021**

**Replaces September 2021**

**Allnex Construction Products, a Division of Allnex New Zealand Ltd**

 **Auckland** – 14 Industry Road, Penrose. phone: 09-583-6544.

 **Hamilton** - 18 Somerset Street, Frankton. phone: 07-847-8658.

 **Wellington –** Unit 9A, 4 Glover Street, Ngauranga Gorge. phone: 04-240-0305.

 **Christchurch** – 112 Carlyle Street, Sydenham. phone: 03-366-6802.

 **Customer Service: 0508-882-288** **cs.constructionnz@allnex.com**

[**www.allnexconstruction.com**](http://www.allnexconstruction.com)

**DISCLAIMER:** This information appearing in this Document (**Details**) concerning the product which is the subject of the Document (**Product**) is either based on present technical knowledge and tests done by allnex or tests done by, and data supplied from third parties including you, the customer. Since the actual use by you and by others of the Product is beyond the control of allnex, no warranty or representation, express or implied is made by allnex regarding the suitability for such use, nor does allnex accept any liability arising out of the use by you of other products or materials, whether third party or not, that may be referred to in this Document. allnex recommends that you carry out your own tests as to the suitability of the Product for your purpose, regarding which you accept full responsibility. In addition, if any of the Details appearing in the Document are based upon tests done by, and/or data supplied by any third party, allnex provides no warranties or representations in connection with those Details and you, the customer waives any right you may have against allnex in connection with the accuracy, completeness or otherwise of the Details. The information in this Document is not to be construed as absolutely complete or accurate since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations affecting use of the Product. allnex does not provide any warranty or representation to you that the Product does not infringe the intellectual property rights of any third party. All orders accepted shall be subject to the standard conditions of sale of allnex which are on the back of our invoice. In accepting the Product you, the customer acknowledge and agree: **a.)** The Product is or may be of a hazardous nature and that you, the customer, are responsible for the disposal of the container housing the Product in accordance with the requirements and regulations of the relevant supervising government**. b.)** The Product has a limited shelf life and must be stored strictly in accordance with the guidelines and specifications related to it. **c.)** Where the Details relate to Product tested by allnex, those Details are indicative only, regarding which there may be batch to batch variation. **d.)** allnex gives no warranty or representation as to the applicability for the particular use by you, the customer, of the Product and you the customer shall be responsible for ensuring that the Product is fit for your intended use. **e.)** allnex’s liability for breach of any term, condition, guarantee or warranty (express or implied and concerning the information in this Document or the Product more generally) including any liability for direct or indirect consequential loss (including indirect loss of profits), is limited to the maximum extent permitted by law and, at allnex’s election, to either replacing or repairing the goods or paying the cost of replacing or repairing the goods, or in the case of services, supplying the services again.

**©2018 allnex Group. All Rights Reserved.**