

Specification

**Aquaduo – Epoxy Floor | Wall Coating System**

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| --- | --- |
| **PREPARED FOR:** |  |
| **CONTRACT:** | Installation of allnex construction products;  **Aquaduo Epoxy Floor | Wall Coating System.**  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 **Aquaduo** 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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| **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 systems 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.

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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 Aquaduo system is also suitable for upgrading and resurfacing existing sound resin coating 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: 4 x coat system  Type B: 5 x coat system  Class 1 4 x coat System  Class 2: 5 x coat System | | Smooth  Smooth  Non -Slip  Non -Slip | 380  430  474  1180 |
| Type A: 4 x coat system  Type B: 5 x coat system | | Smooth  Smooth | 380  430 |
| *Primer* | *Aquakem* | | | |
| Body- coats: | Aquacolour | | | |
| Surface Finish Options: | *Refer Section: 2.14* | | | |
| Finish Coats: | Aquacolour | | | |
| Coving System:  Cove Height:  Cove Radius:  Colour: | Supascreed Resin  Supascreed Hardener  allnex STZ Cove Sand  Surface Finish Smooth  :mm  25mm | 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 | | | |
| Floor Joint Sealant: | allnex K130 | Sabreseal SMP60 | | | |
| Pot-Life: | +200C ~ 75%RH | 8 Hours | | |
| Touch Dry: | +200C ~ 75%RH | 4 hours | | |
| Hard Dry | +200C ~ 75%RH | >12 hours | | |
| Full Cure: | +200C ~ 75%RH | 7 days | | |
| Recoat: ~ Minimum  ~ Maximum | +200C ~ 75%RH | 12 hours.  24 hours.  *After 24 hours: Severe mechanical abrasion* | | |
| Unaffected by water: | +200C ~ 75%RH | >48 hours | | |
| SG kg/litre:  Aquakem ~ Resin | Hardener  Aquaduo ~ Resin | Hardener | 1.25  1.3 | | | |
| Solids %:  ~ Aquakem:  ~ Aquacolour: | 42%  40% | | | |
| Thinning: ~ Aquakem:  ~ Aquacolour: | Not Recommended  5-10% Clean potable water  5-10% Methylated Spirits for a stronger diluent effect.  *(Will evaporate faster in colder temperatures)* | | | |
| Clean up:  ~ Aquakem:  ~ Aquacolour: | Warm water & detergent whilst wet  Warm water & detergent whilst wet  Final clean with Methylated Spirits, Kerosene or  allnex Solvent HA *(flammable)* | | | |
| Dangerous Good Class: | Refer SDS sheets | | | |
| Packaging:  –  ~ Aquakem Part A  ~ Aquakem Part B    ~ Aquacolour Part A  ~ Aquacolour Part B | 8 litre Unit | 20 litre Unit  4 litre | 10 litre  4 litre | 10 litre  10 litre Unit  7.1 litre – (8.66kg) - Packaged in a 10 litre Pail  2.9 litre – (4.33kg) - Packaged in a 4 litre Pail | | | |
| Shelf life:  ~ Aquakem  ~ Aquacolour | 12 months from date of manufacture  24 months from date of manufacture  ~ Store above +20C  (After this period consult with allnex Construction Products) | | | |

**2.13 Aquaduo – System Types**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **System Component** | **Aquaduo**  **Roller Applied**  **Smooth Finish**  **2 x coat Topcoat system** | **Aquaduo**  **Roller Applied**  **Smooth Finish**  **3 x coat Topcoat system** | **Aquaduo**  **Roller Applied**  **Non - Slip**  **Fine Aggregate Finish** | **Aquaduo**  **Roller Applied**  **Non- Slip**  **Medium Aggregate Finish** |
| **System Type** | Type A | Type B | Class 1 | Class 2 |
| **Primer Coat**  **1st Coat** | Aquakem  3m2 litre | Aquakem  3m2 litre | Aquakem  3m2 litre | Aquakem  3m2 litre |
| **Primer Coat**  **2nd Coat** | Aquakem  3m2 litre | Aquakem  3m2 litre | Aquakem  3m2 litre | Aquakem  3m2 litre |
| **Topcoat**  **1st Coat**  **Coverage** | Aquacolour  8.0 m2 / Litre | Aquacolour  8.0 m2 / Litre | Aquacolour  8.0 m2 / Litre | Aquacolour  7.0 m2 / Litre |
| **Surface Finish** | Smooth | Smooth | Refer: 2.14  Surface Finish  Design options | Refer:2.14  Surface Finish  Design options |
| **Topcoat**  **2nd Coat**  **Coverage** | Aquacolour  8.0 m2 / Litre | Aquacolour  8.0 m2 / Litre | Aquacolour  8.0 m2 / Litre | Aquacolour  7.0 m2 / Litre |
| **Topcoat**  **3rd Coat**  **Coverage** | N/A | Aquacolour  8.0 m2 / Litre | N/A | Aquacolour  7.0 m2 / Litre |
| **Finished DFT Thickness** | 380 microns | 430 microns | 474 microns | 1180 microns |

**2.14 Aquaduo Surface Finish Design Options**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **System**  **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.  ~ Revtred  Aggregate addition broadcast into the second to last coat. | Fine non-slip  Fine-Medium non-slip | 0.54  0.56 | 50  51 | R11  R12 | 100 grams added  per 4 litre of mixed material  12 grams / m2 |
| **Non-Slip**  **Class 2** | Medium duty aggregate: non-slip:  Roller Applied with the addition of:-  ~ J61  ~ Q900  Aggregate addition broadcast into the second to last coat. | Fine-Medium non-slip  Medium non-slip | 0.63  0.73 | 57  64 | R12  R13 | 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.

### 3.8 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 7 days.

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 Aquaduo.
    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** **Concrete Block**

4.3.1 Concrete Block must be installed to the manufactures specifications and comply with current legislation.

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

4.3.4 Cracks in the concrete blocks are to be chased out and filled using allnex K125 epoxy paste.

4.3.5 Deep depressions, impact damage, hollows etc. to be repaired or filled as appropriate using allnex K125 epoxy paste.

**4.3.6 Concrete Block Surface Preparation**

|  |  |
| --- | --- |
| **allnex recommend mechanical abrasion techniques as the surface preparation method.** | |
| Technique | Diamond Grinding |
| Minimum Requirement | CSP 3 or 4 |
| *Refer: allnex Surface Preparation Technical Literature* | |

**4.4 Plywood | Fibre-cement**

**4.4.1** **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.*

**4.4.2 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 - Minimum  Walls : 9mm – Minimum |
| Fibre Cement Fastening Type: | 316 Stainless Screws - 50mm x 10g |
| Fastening Spacings: | Perimeter: As per manufacturer’s instructions  Centres: 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 AQUADUO FLOOR FINISH**

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

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

**5.3 Aquakem Mixing Ratios**

|  |  |  |
| --- | --- | --- |
| **Aquakem Mixing Ratio** | | |
| **Component** | **Volume** | **Weight** |
| **Aquakem Part A** | 1 part | 1 part |
| **Aquakem Part B** | 1 part | 1 part |

5.3.1 Measure and mix Aquakem Part A with Aquakem Part B into a suitable container, power mix at a slow speed (300rpm) for a minimum of 3 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.

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

**5.4 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 Aquakem in equipment if left to stand.*

5.4.1Once mixed the product may be applied. Apply evenly.

The first coat should make the surface uniformly **white** (not grey).

*Note*

*This full white colour implies the application of the correct coverage rate of material*.

5.4.2 As soon as the surface can be walked on, the second coat may be applied. **Normally** the two coats are applied on subsequent days.

5.4.3 Drying Conditions**:** Aquakem cures by first **drying** and then the **curing** of the epoxy system occurs.

Good ventilation to remove moisture vapour must be available. Open windows and doors. Heat rooms if very cold.

*Note*

*Warmth and air movement help cure. The use of fans will assist in the drying process.*

*Note Well*

*Do not use beyond pot life.*

*Note Well*

*Aquakem* ***will******not*** *work if it is applied to paint, flaking paint, old adhesive, lime concrete, plaster or lime plaster.*

**5.5 Aquacolour Mixing Ratios**

|  |  |  |
| --- | --- | --- |
| **Aquacolour Mixing Ratio** | | |
| **Component** | **Volume** | **Weight** |
| **Aquacolour Part A** | 7.1 litre | 8.66kg |
| **Aquacolour Part B** | 2.9 litre | 4.33kg |

5.5.1 Measure and mix Aquacolour Part A with Aquacolour 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.

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

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

**5.6 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 Aquacolour in equipment if left to stand.*

**5.7 Application**

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| --- |
| **Maximum coverage 8m²/litre/coat.** |

5.7.1 Apply the first coat of the mixed Aquacolour ensuring it is worked well into the prepared substrate.

*Note*

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

5.7.2 Allow Aquacolour primer to cure before over-coating, but overcoat within 24 hours.

**5.8** **Application of Aquacolour – Type A & Type B - Smooth Finish Options**

5.8.1 Measure and mix Aquacolour Part A with Aquacolour Part B. *Refer: Section 5.4 – 5.4.3*

5.8.2 Apply the Aquacolour at a spread rate that will ensure the correct system as designed is achieved.

5.8.3 Apply in a manner to maintain a wet edge.

5.8.4 Allow to cure.

**5.9** **Application of Aquacolour - Class 1 and Class 2: Non-Slip Finish**

5.9.1 Following primer application, apply Aquacolour at design spread rate.

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

5.9.3 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

5.9.4 Allow to Cure.

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

5.9.6 Apply specified topcoats as per the requirement of the chosen system.

*Refer: Section 2.13*

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

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

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

6.3 **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.

6.4 **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.

6.5 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.

6.6 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.

6.7 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.

6.8 Once cured de-nib and overcoat the Supascreed cove detail with two (2) coats Aquacolour.

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

**7.1 Joints:**

All concrete control and construction joints should be carried through the Aquaduo 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.*

7.2 The interface between the allnex Aquaduo flooring and stainless-steel drains, etc. are to be sealed using allnex K130 or 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 Aquaduo flooring/coves etc. may be sealed using allnex K130 or Sabreseal SMP60 sealant.

**8.0 MAINTENANCE**

Ease of repair is a major advantage with allnex Aquaduo.

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

**9.0** **CLEANING**

See separate allnex cleaning document for all cleaning requirements.

**10.0 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

**11.0 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.

**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 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 Bulletin

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**Replaces NA**



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