

Nawkaw

CONCRETE AND MASONRY STAINS

DESIGN AND TECHNICAL MANUAL FOR CONCRETE WALLING

This manual is designed to assist you in specifying Nawkaw's long life concrete colour coating for your next project. It will answer both your design and technical questions and guide you through the specification process.

Concrete surfaces include precast, in situ concrete, GRC, fibre cement claddings, MgO and other cementitious materials used in walling.



Introduction

Nawkaw is revolutionising the way colour is applied to concrete walling surfaces.

Nawkaw manufactures and supplies/applies long life colour stain coatings for architectural finishes to grey concrete and masonry surfaces.

The Nawkaw Colouring Process is a customised colouring solution for porous walling materials that is applied to the dry substrate and bonds to the surface pores that produces a long-lasting finish.

The Nawkaw Colouring Process is achieved by: -

- Assessing the substrate porosity to accept the specified finish
- Manufacturing the concrete colour coatings to achieve the desired colour and appearance
- Choosing the application technique to best suit the method of building construction whilst achieving design aesthetics

Unlike traditional methods such as paint and pigments the Nawkaw Colouring Process is clean and efficient and the depth of colour/translucency is easily controlled which is a distinct advantage over oxides and other colouring techniques.

The finished colour(s) for each project is regulated by the design of the liquid concrete colour coatings and the application methods employed by Nawkaw's skilled technicians and accredited applicators. The colour application accommodates your design requirements and can be set to achieve numerous effects and finishes. Simple opaque finishes can also be applied by our accredited applicators.

What Does This Mean?

- Flexibility in design
- Colours that are manufactured to suit your needs and textures, including tone variations
- Multi-layered colours and abstract effects can be achieved
- Application method is tailored to the project so that the depth of colour is controlled
- Translucent and semi-transparent colours can be produced
- Your imagination is your only limit

As each project is customised to suit the design brief, Nawkaw takes full responsibility for manufacturing and applying the colour. With a 25-year product guarantee supplied on completion, Nawkaw is the preeminent masonry and concrete colouring specialists in Australia and New Zealand.

What is the Nawkaw Colouring Process?

It is the procedure of applying a final colour to the concrete element after it has been formed, cured and cleaned. The colour is applied to the surface of the element as it is absorbed into the surface pores. The depth of penetration is governed by the capillary action of water on the dry concrete surface. Nawkaw's technicians are skilled at matching colours and effects. The method used ensures an even application of colour resulting in a finish that meets the design specifications. It is a colouring solution with an enduring finish.

Who Applies the Colour?

With simple opaque colour finishes Nawkaw products are available via Nawkaw's accredited applicators. More complex layered and bespoke finishes are tailored and managed/supervised by Nawkaw experienced colour technicians. This guarantees a professional level of service throughout the process and ensures the quality of the finished product.

Is the Product Guaranteed?

The range of Nawkaw concrete colours are guaranteed for a minimum of 25 years. Nawkaw's concrete colour coatings are formulated with colour fast oxide pigments. Our concrete colour coatings are guaranteed not to fade, peel or crack when applied as per specifications to sound durable substrates.

What Colours are Available?

If you can imagine it, we can create it!

We can achieve a near limitless array of colours for external concrete surfaces.

If you are after a customised solution we will refer you to the popular RAL Colour Specification System and work with you to achieve the exact shade you require. In addition, Nawkaw offers a service to duplicate colours.

How Does Nawkaw Allow for Design Flexibility?

Colours can be custom formulated to meet the design requirements. The application process allows multiple colours to be specified across a project with rich, deep colours that will not fade and offer superior consistency.

Nawkaw's colour technology has been designed to complement textures. When formliners are used to create textured architectural façades Nawkaw will manufacture the appropriate colour palette for full enhancement.

Is there an Environmental Advantage?

Our concrete colour coatings are water based and classified as non-hazardous. It uses hundreds of times less oxide when compared with traditional colouring methods that require an integral oxide. It has a longer life cycle than painted finishes and requires minimal ongoing maintenance.

Substrates

By nature, concrete has a surface that is porous to water and liquids. The number, size and interconnection between these pores must all be considered when custom blending Nawkaw emulsions. These factors will also determine the application method selected by our technicians when setting up the project.

The Nawkaw process is designed to be used on dry concrete surfaces. Moist or wet concrete will prevent the Nawkaw colouring process from being carried out.

Smooth Off-Form Surface Finish

Ideally samples or colour references will be supplied allowing Nawkaw to work with you to develop the desired colour(s). It is imperative that any patching of smooth off-form finishes is completed to an acceptable standard **prior** to the application of the Nawkaw Colouring Process. Patching materials used must be durable, exterior rated and the final surface is sanded flush and smooth as the surrounding off form surface.

Trowelled Finish

This is another concrete surface that is low in permeability. As with off-form it is best if a sample is supplied prior, so the agreed colour can be produced. Patching of trowelled finish panels must be completed to the accepted standard prior to Nawkaw's technicians applying the colour.

Acid Etched Finish

Acid etching removes the layer of fine cement particles from the mould face of the concrete surface after it has cured. This has the effect of increasing the porous nature of the concrete surface. The Nawkaw Colouring Process is particularly suited to these surfaces as it allows for a wide range of colour finishes, from semi opaque, through to translucent and transparent, that enriches the acid etched grains as part of the panel finish.

Formliner Finish

Formliners typically mould a third dimensional relief into the surface of the panel. It is important the release agent does not affect the water absorption of the dry concrete surface. Formliner moulded panels allow for flexibility in the colouring process. If storage and panel presentation facilities are adequate, the colouring process can be performed in the factory of the precast manufacturer after cleaning, alternatively the colour can be applied on site. The addition and placement of Nawkaw colours on formed surfaces can highlight and accentuate the form.

Surface Preparation

Nawkaw designs its concrete colour coatings and application techniques to achieve a long-lasting coloured surface, therefore the concrete element should be cleaned of construction dust, mould release residue, silicone residues, dirt, concrete and other spills prior to the application of the Nawkaw Colouring Process.

Projects that involve colouring the surface of off-form, in situ and formliner moulded concrete should be pressure cleaned with Nawkaw's Concrete Surface Cleaner if surface lime efflorescence is preventing even water absorption. This then should be allowed to dry prior to starting the Nawkaw Colouring Process.

Patching of Concrete Surfaces

Any patching of concrete should be finished a minimum of 12 hours ahead of the Nawkaw colouring application. Patch repairs should be finished flush to the surface and finished to the same texture. Where possible a patch should be the same shade or a slightly lighter shade in colour than the surrounding concrete surface.

Long Term Care

Maintenance is minimal for concrete walling that has been coloured with the Nawkaw Colouring Process. A periodic washdown will assist in removing dust and dirt that may adhere to the surface. Periodic cleaning will involve the use of a suitable biodegradable detergent and cold water. In cases where the soiling is not stubborn, a wash down with water may suffice.

Pressure washers with pump pressure greater than 1000 psi should not be used on the wall. It is recommended the tip of the pressure nozzle is kept a minimum of 400mm from the wall at all times during cleaning.

Care should be taken within the first 21 days of application to allow the required cured strength to be achieved. It is not advisable to use adhesives, cleaning solutions or aggressive cleaning methods during this period. For cleaning of stains other than atmospheric grime please contact Nawkaw Australia 1300 629 529 info@nawkaw.com.au or Nawkaw New Zealand 03 366 8989 solutions@nawkaw.co.nz for advice.

Anti-Graffiti Treatment

Nawkaw colour coatings come with both inorganic mineral silicate sol binders and also with acrylate binders systems. NawTone-K (product code MSS) is the inorganic concrete colour coating, NawTone (product code NECT90) is the acrylate based concrete colour coating. For off form smooth concrete surfaces coloured by NawTone-K we recommend ecotio₂[®] water based photocatalyst protective coatings for protection including self-cleaning functionality.

Should Nawkaw colour coatings applied on architectural concrete require graffiti protection we recommend only:

- Water based graffiti shields
- Graffiti tag management by proprietary system and solvent wipe
- NawTone on concrete should be protected by proprietary systems designed for painted surfaces
- Graffiti tag management by high pressure water or abrasive techniques should be avoided

GUIDELINES FOR AN ARCHITECTURAL SPECIFICATION FOR CONCRETE SURFACES USING NAWTONE EMULSION STAINS

1. General

The specification should cover the materials, preparation and services needed for the application of a concrete colouring emulsion on above ground, vertical and exterior exposed surfaces of new and existing unsealed concrete surfaces. The information below is to assist in the preparation of a project specification.

Variations:

- **NawTone** (Product code NECT90)
- **NawTone-G** (Product code NGCT90)
- **NawTone+Plus** (Product code NWRT-91)

1.1. Documents referred to:

- Nawkaw SDS for NawTone, NawTone-G and NawTone+Plus
- Nawkaw SDS for Concrete Surface Cleaner (CSC)
- Nawkaw 25 Year Limited Guarantee
- Nawkaw Operations & Maintenance Manual

Documents listed above and cited in the clauses that follow are part of this specification. However, this specification takes precedence in the event of it being at variance with the cited document. Copies of the above literature are available from:

Nawkaw Australia

Email: info@nawkaw.com.au

Telephone: 1300 629 529

Website: www.nawkaw.com.au

Nawkaw New Zealand

Email: solutions@nawkaw.co.nz

Telephone: 03 366 8989

Website: www.nawkaw.co.nz

1.2. No Substitutions

Substitutions are not permitted to any specified manufacturer's system, or associated components and products

1.3. Qualifications

Nawkaw Australasia has more than 20 years' experience in Australia and New Zealand in the supervision and application of the products specified in this section. Only approved applicators trained in the application of the stains and with the proper well-maintained equipment are to be used to ensure the 25-year limited guarantee.

2. Materials

Nawkaw Emulsion Colour Treatment (NawTone, NawTone-G and NawTone+Plus) is manufactured by Nawkaw. NawTone-G is a semi-gloss version of NawTone which enables sharp colours and metallic finishes. NawTone+Plus is NawTone with integral water repellent.

It is a hydrous, multiple polymer formulation of resin solids and colour pigments, which is light fast, UV resistant, penetrating, aspiratory, quick-drying and mould, fungus and mildew resistant. Once applied and cured the oxides are bonded to the surface pore structure of the cement cladding, concrete or masonry. The surface remains permeable, although at a reduced level, and will allow the substrate to breathe allowing moisture vapour and salts to migrate through the coloured surface. It is environmentally friendly, water-based and non-flammable.

Nawkaw Emulsion Colour Treatment is Low VOC with a VOC of 36g/litre. This is well under the threshold of 50g/litre in the Green Star Building Council Green Star Rating System, enabling one Green Star Credit Point for use of this product.

It is non-hazardous and non-dangerous according to criteria of NOHSC & the ADG code (ref Chemwatch MSDS 4628-67). Nawkaw Emulsion Colour Treatment is also resistant to flame propagation and ignitability and has been independently tested to AS-NZS 1530.3 - Simultaneous Determination of Ignitability, Flame Propagation, Heat Release and Smoke Release

3. Surface Preparation

Concrete surfaces must be clean and dry. Patch repairs should be finished flush to the surface and finished to the same texture. Where possible a patch should be the same shade or a slightly lighter shade in colour than the surrounding concrete surface.

The surface shall be tested by water misting over the surface to assess evenness of surface absorption and degree of water absorption. Where unevenness or incomplete absorption of the surface to moisture is confirmed then cleaning of the surface with Nawkaw CSC is necessary. Apply Nawkaw CSC to the concrete surface and rinse completely off before the surface dries. This eliminates the possibility of loosened material re-absorbing onto the surface. To maximise penetration of the stain it is recommended that the concrete surface is washed prior to emulsion colouring to remove any surface lime efflorescence and mould release residues.

New concrete can have its suitability checked for by conducting a surface pH check with universal indicator strips. Concrete surfaces should be a minimum of 7 days old. Precast element surfaces should not be exposed to driving rain for at least 2 hours after the application of the Nawkaw Colouring Process.

The surface cleaning agent (Nawkaw CSC) is a water-based, non-hazardous, concrete surface cleaner and is recommended to be used for all concrete surfaces that have surface presence of calcium efflorescence preventing even water absorption of the concrete surfaces.

4. Application

Nawkaw Emulsion Colour Treatment (NawTone, NawTone-G, NawTone+Plus) is colour blended to a reference standard will be produced as recommended by the manufacturer.

It is then applied by the chosen technique that best suits the method of construction whilst meeting the designed colour finish specification. Examples of techniques used to apply the NawTone, NawTone-G or NawTone+Plus are hand applications such as roller, pad, brush, as well as, machine applications such as misting, sponging, misting, spraying and spattering.

5. Environmental Requirements

Air and substrate temperature must be above 5°C or below 40°C. Application cannot proceed if the substrate is wet, contains frozen water, or if rain is likely within 1 hour.

6. Protection

Protect all surrounds, metal, wood trim, glass, asphalt and other building hardware during application from over spray/roller splatter if applicable.

Do not permit mist (if spraying) or liquid to drift onto surrounding properties. Any surfaces inadvertently affected by colour should be cleaned with water or a cleaning compound which will not damage or discolour the surface.

7. Clean Up

At completion of staining, all excess materials, debris and waste must be removed from the jobsite. Return all unused stain to the warehouse for recycling or disposal to landfill after solidifying.

8. Submittals

8.1. Product Data

Submit manufacturers' technical literature, specifications and application instructions for Nawkaw Emulsion Colour Treatment (NawTone, NawTone-G) as manufactured by NAWKAW.

8.2. Environmental Regulations

The colouring emulsion material to be applied is in compliance with environmental Volatile Organic Compounds (VOC) regulations and is classed as non-hazardous, non-dangerous according to criteria of NOHSC & the ADG code. (Refer Chemwatch MSDS 4628-67). Nawkaw Emulsion Colour Treatment (NawTone, NawTone-G, NawTone+Plus) is Low VOC with a VOC of 36g/litre.

8.3. Control Panel

The submission of a control panel will become the reference standard of quality. Application of the concrete colouring emulsion to the control panel is to be as per the manufacturer's instructions and to achieve the desired effects as directed by the architect. After the sample treatment has cured in accordance with manufacturer's recommendations, verify the substrate is coated with sufficient colouring emulsion to produce the desired appearance and colour (One coat application of Nawkaw stain is as durable as multi coating).

Obtain the approval of the architect and/or project owner for the coverage, appearance and colour of the control panel prior to full scale application to precast, insitu concrete, GRC, cement cladding surfaces.

9. Product Delivery and Storage

Deliver all materials to the job site in original sealed containers that is clearly marked with the manufacturer's name, brand name and type of material and colour, or colour formula. Verify the product matches that of the original sample applied on the control panel.

Store and handle according to manufacturer's written instructions provided. Store all materials inside if possible, away from sparks or open flame in a secure area to avoid tampering and contamination. Water-based materials must be kept from freezing.

10. Maintenance

10.1. Balconies and Balustrades

Balconies are normally exterior surfaces so generally are exposed to weathering. Balconies are also living areas, so may be exposed to more severe impact and abrasion than interior walls due to their use as relaxation and entertaining areas combined with movement of outdoor furniture, barbeques, and pot plants.

The surfaces exposed to human traffic are likely to suffer impact and abrasion. Such impact and abrasion marks may not wash off, and repair by reapplication may be necessary. Nawkaw products can be top coated with impact and abrasion resistant clear coatings, to retain more superior resistance to weathering and improved resistance to impact and abrasion.

10.2. General Maintenance

The Nawkaw colour treated products require virtually no maintenance as it will inherently repel dirt and grime. An occasional hosing down with a mild surfactant will remove any dust accumulated over time. Harsh treatments that are aggressive or abrasive are to be avoided.

Periodic cleaning will involve the use of a suitable biodegradable detergent and cold water. In cases where the soiling is not stubborn, a wash down with water alone may suffice.

Pressure washers above 1000 psi should never be used on the wall. It is recommended the tip of the spray nozzle is kept at least 500mm from the wall at all times during cleaning with a fan angle of minimum 15°C be maintained during cleaning.

- Do not use turbo head attachments when pressure cleaning
- Cleaning using high pressure hot water or steam cleaning is not recommended
- Strong acids such as HCl, abrasive cleaning methods and the application of adhesives and adhesives tapes should all be avoided

For cleaning of stains other than atmospheric grime please contact Nawkaw Australia 1300 629 529 info@nawkaw.com.au or Nawkaw New Zealand 03 366 8989 Solutions@nawkaw.co.nz for advice. Please refer to Nawkaw Operations & Maintenance Manual for site specific information.

11. Guarantee

Nawkaw shall guarantee its' concrete colour emulsion material against failure in material and 25 years from the date of application. When Nawkaw are contracted to supply and apply, the guarantee covers supply and replace of any faulty materials and/or workmanship.

12. Selections

12.1. Nawkaw Colour Stain

Choose option

- Standard Nawkaw Colour
- Custom Colour to Match
- Custom Colour as per Individual Requirements specific to this Project

Brand:

Colour Code:

Name:

Application:

12.2. Anti-Graffiti Coating/Sealer

Brand:

Material:

Manufacturer:

Any anti-graffiti coating specified should incorporate the following properties:

- Water based suitable for protecting previously painted surfaces
- Graffiti management removal via solvent technique
- Pressure cleaning to be avoided

GUIDELINES FOR AN ARCHITECTURAL SPECIFICATION FOR CONCRETE USING NAWTONE-K MINERAL STAINS

1. General

The specification should cover the materials, preparation and services needed for the application of a concrete colouring emulsion on above ground, vertical and exterior exposed surfaces of new and existing unsealed concrete surfaces. The information below is to assist in the preparation of a project specification.

Variations:

- NawTone-K (Product code MSS)
- NawTone-KG (Product code MSS-G)

1.1. Documents referred to:

- Nawkaw SDS for NawTone-K and NawTone-KG
- Nawkaw SDS for Concrete Surface Cleaner (CSC)
- Nawkaw 25 Year Limited Guarantee
- Nawkaw Operations & Maintenance Manual

Documents listed above and cited in the clauses that follow are part of this specification. However, this specification takes precedence in the event of it being at variance with the cited document. Copies of the above literature are available from:

Nawkaw Australia

Email: info@nawkaw.com.au

Telephone: 1300 629 529

Website: www.nawkaw.com.au

Nawkaw New Zealand

Email: solutions@nawkaw.co.nz

Telephone: 03 366 8989

Website: www.nawkaw.co.nz

1.2. No Substitutions

Substitutions are not permitted to any specified manufacturer's system, or associated components and products

1.3. Qualifications

Nawkaw Australasia has more than 20 years' experience in Australia and New Zealand in the supervision and application of the products specified in this section. Only approved applicators trained in the application of the stains and with the proper well-maintained equipment are to be used to ensure the 25-year limited guarantee.

2. Materials

NawTone-K and NawTone-KG are the brand name for the Mineral Silicate Sol based stain manufactured by Nawkaw. NawTone-KG is a semi-gloss version of NawTone-K for sharp colours and metallic finishes.

NawTone-K and NawTone-KG are extremely durable aqueous mineral silicate-sol based stains for concrete and masonry surfaces. These penetrate and bond to dense materials. The thin base keeps natural surfaces from being covered up, whilst providing the desired colour. Nawkaw colour technicians and accredited applicators custom blend light fast colorants and incorporate these in the formulation to achieve the natural colour finish required.

We customise the application and the degree of translucency to meet the aesthetic requirements whilst always maintaining the natural look. This product can be applied in colour densities from a wash of faint colour through to full opacity.

NawTone-K and NawTone-KG are very effective at blending away colour variations that naturally occur in the manufacture of concrete. This includes blending away unsightly or mismatching patch repairs and skim coat finishes.

Nawkaw Mineral Silicate Sol based stain (NawTone-K, NawTone-KG) is Low VOC with a VOC of <1g/litre. This is well under the threshold of 50g/litre in the Green Star Building Council Green Star Rating System, enabling one Green Star Credit Point for use of this product. It is non-hazardous and non-dangerous according to criteria of NOHSC & the ADG code.

3. Surface Preparation

Concrete surfaces must be clean and dry. Patch repairs should be finished flush to the surface and finished to the same texture. Where possible a patch should be the same shade or a slightly lighter shade in colour than the surrounding concrete surface.

The surface shall be tested by water misting over the surface to assess evenness of surface absorption and degree of water absorption. Where unevenness or incomplete absorption of the surface to moisture is confirmed then cleaning of the surface with Nawkaw CSC is necessary. Apply Nawkaw CSC to the concrete surface and rinse completely off before the surface dries. This eliminates the possibility of loosened material re-absorbing onto the surface. To maximise penetration of the stain it is recommended that the concrete surface is washed prior to emulsion colouring to remove any surface lime efflorescence and mould release residues.

Concrete surfaces should be a minimum of 7 days old. Precast element surfaces should not be exposed to driving rain for at least 4 hours after the application of the Nawkaw Colouring Process.

The surface cleaning agent (Nawkaw CSC) is a water-based, non-hazardous, concrete surface cleaner and is recommended to be used for all concrete surfaces that have surface presence of calcium efflorescence preventing even water absorption of the concrete surfaces.

4. Application

Nawkaw Mineral Silicate Sol based stain (NawTone-K, NawTone-KG) colour blended to a reference standard will be produced as recommended by the manufacturer.

The NawTone-K, NawTone-KG is applied by the chosen technique that best suits the method of construction whilst meeting the designed colour finish specification. Examples of techniques used to apply the NawTone-K, NawTone-KG are hand applications such as roller, pad, brush, as well as, machine applications such as misting, spraying and spattering.

5. Environmental Requirements

Substrate temperature must be above 5°C or below 40°C. Application cannot proceed if the substrate is wet, contains frozen water, or if rain is likely within 4 hours.

6. Protection

Protect all surrounds, metal, wood trim, glass, asphalt and other building hardware during application from over spray/roller splatter if applicable.

Do not permit mist (if spraying) or liquid to drift onto surrounding properties. Any surfaces inadvertently affected by colour should be cleaned with water immediately. Do not allow to dry. Protect adjacent surfaces against overspray or roller splatter where required.

7. Clean Up

At completion of staining, all excess materials, debris and waste must be removed from the jobsite. Return all unused stain to the warehouse for recycling or disposal to landfill after solidifying.

8. Submittals

8.1. Product Data

Submit manufacturers' technical literature, specifications and application instructions for Nawkaw Mineral Silicate Sol based stain (NawTone K, NawTone-KG) as manufactured by NAWKAW.

8.2. Environmental Regulations

The concrete colour finish material to be applied is in compliance with environmental Volatile Organic Compounds (VOC) regulations and is classed as non-hazardous, non-dangerous according to criteria of NOHSC & the ADG code. Nawkaw Mineral Silicate Sol based stain (NawTone-K, NawTone-KG) with a VOC of <1g/litre.

8.3. Control Panel

The submission of a control panel will become the reference standard of quality. Application of the concrete colouring emulsion to the control panel is to be as per the manufacturer's instructions and to achieve the desired effects as directed by the architect. After the sample treatment has cured in accordance with manufacturer's recommendations, verify the substrate is coated with sufficient colouring emulsion to produce the desired appearance and colour (One coat application of Nawkaw stain is as durable as multi coating).

Obtain the approval of the architect and/or project owner for the coverage, appearance and colour of the control panel prior to full scale application to application to concrete surface.

9. Product Delivery and Storage

Deliver all materials to the job site in original sealed containers that is clearly marked with the manufacturer's name, brand name and type of material and colour, or colour formula. Verify the product matches that of the original sample applied on the control panel.

Store and handle according to manufacturer's written instructions provided. Store all materials inside if possible, away from sparks or open flame in a secure area to avoid tampering and contamination. Water-based materials must be kept from freezing.

10. Maintenance

10.1. Balconies and Balustrades

Balconies are normally exterior surfaces so generally are exposed to weathering. Balconies are also living areas, so may be exposed to more severe impact and abrasion than interior walls due to their use as relaxation and entertaining areas combined with movement of outdoor furniture, barbeques, and pot plants.

The surfaces exposed to human traffic are likely to suffer impact and abrasion. Such impact and abrasion marks may not wash off, and repair by reapplication may be necessary. Nawkaw products can be top coated with impact and abrasion resistant clear coatings, to retain more superior resistance to impact and abrasion.

10.2. General Maintenance

The Nawkaw colour treated products require virtually no maintenance as it will inherently repel dirt and grime. An occasional hosing down with water will remove any dust accumulated over time. Harsh

treatments that are aggressive or abrasive are to be avoided.

Periodic cleaning will involve the use of a suitable biodegradable detergent and cold water. In cases where the soiling is not stubborn, a wash down with water alone may suffice.

Pressure washers above 1000 psi should never be used on the wall. It is recommended the tip of the spray nozzle is kept at least 500mm from the wall at all times during cleaning with a fan angle of minimum 15°C be maintained during cleaning.

- Do not use turbo head attachments when pressure cleaning
- Cleaning using high pressure hot water or steam cleaning is not recommended
- Strong acids such as HCl, abrasive cleaning methods and the application of adhesives and adhesives tapes should all be avoided

For cleaning of stains other than atmospheric grime please contact Nawkaw Australia 1300 629 529 info@nawkaw.com.au or Nawkaw New Zealand 03 366 8989 Solutions@nawkaw.co.nz for advice. Please refer to Nawkaw Operations & Maintenance Manual for more information.

11. Guarantee

Nawkaw shall guarantee its' concrete colour emulsion material against failure in material and 25 years from the date of application. When Nawkaw are contracted to supply, and apply, the guarantee covers supply and replace of any faulty materials and/or workmanship.

12. Selections

12.1. Nawkaw Colour Stain

Choose option

- Standard Nawkaw Colour
- Custom Colour to Match
- Custom Colour as per Individual Requirements specific to this Project

Brand:

Colour Code:

Name:

Application:

12.2. Anti-Graffiti Coating/Sealer

Brand:

Material:

Manufacturer:

Water based anti-graffiti coatings should be used to further protect NawTone-K, NawTone-KG. Graffiti removal is by solvent wipe method as approved or supplied by anti-graffiti manufacturer.

We recommend the NawTone-K or NawTone-KG finish with anti-graffiti applied be assessed and accepted for appearance prior to application.