

ENVIRO RANGE

The Complete Guide to Dekro's Enviro Range



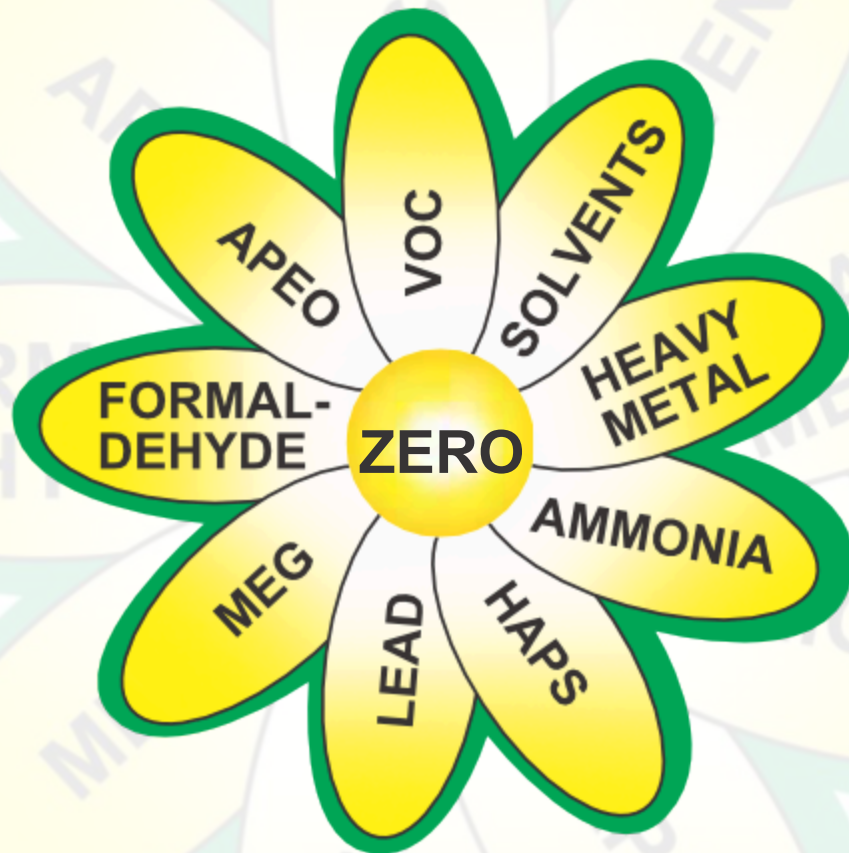
DEKRO
IS THE ARCHITECTS CHOICE

SABS
ISO 9001



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WHY YOU SHOULD USE DEKRO'S ENVIRO RANGE



DDekro's Green Generation Products, labelled with the Dekro Daisy indicating that it is friendly to both us and our environment. It has been specifically formulated to contain zero levels* of any harmful substances including VOC's, APEO, MEG, Formaldehyde, Ammonia and Solvents.

The "Dekro Daisy" is Dekro's way of informing their clients and the market that the product they are buying is green and free of harmful substances.

***zero means less than 2gm/lt as per regulatory standards*

IMPORTANCE OF ENVIRONMENTALLY FRIENDLY COATINGS

PRODUCT	CODE	VOC	FORMALD	MEG	APEO	AMMONIA	SOLVENTS
PLASTER & MASONRY PRIMER	114001	<0,05g /ltr	<0,00005g/ltr	0g/ltr	0g/ltr	<1,0g /ltr	0g/ltr
NON DRIP ENAMEL	114002	<0,1g/ltr	<0,00003g/ltr	0g/ltr	0g/ltr	<0,2g/ltr	0g/ltr
HYDROTEX	114003	<1g /ltr	<0,0008g/ltr	0g/ltr	0g/ltr	<2g/ltr	0g/ltr
RIPPLE TOUCH	114004	<0,5g /ltr	<0,0005g/ltr	0g/ltr	0g/ltr	<2g/ltr	0g/ltr
XTERIOR GUARD	114711	<0,5g /ltr	<0,0005g/ltr	0g/ltr	0g/ltr	<1,5g/ltr	0g/ltr
PURE MATT ACRYLIC	114811	<0,2g /ltr	<0,0001g/ltr	0g/ltr	0g/ltr	<0,2g/ltr	0g/ltr
PURE VELVET	114911	<0,2g /ltr	<0,00002%	0g/ltr	0g/ltr	<0,2g/ltr	0g/ltr

European Standards: less than 5g/ltr

These harmful substances are either added by the manufacturer of the Raw Material or the Decorative Coating.

Currently with no legislation in RSA restricting the use of these substances, it is left to the Paint Manufacturers to take the initiative and reduce these levels.

However, by careful selection from a growing range of greener alternatives, it is becoming possible to develop paints which contain extremely low levels of these substances - resulting in coatings which are far less harmful to us and our environment.

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GENERAL PREPARATION & APPLICATION GUIDE

Please contact a Dekro Representative for technical advice before painting.

Brush application

Always use high quality brushes to achieve a good finish.

Roller application

The correct type of roller should be used when applying the paint to any surface. You would, for example, not use a woollen roller with chlorinated rubber paint. The correct type of roller to use will be a synthetic roller.

Spray application

Spraying paint can be carried out by means of conventional type cup guns, pressure pot or airless spray. Certain types of equipment will not suit the material being applied and you are requested to refer to the manufacturer for advice. The correct thinners must be used with the relevant coating.

It must be noted that all loose paint and other contamination are to be removed by grit blasting, H.P. Washing and scraping, and washing down with fresh water. The surface must then dry before the application of paint.

Grease and oils are to be completely removed with a suitable specified detergent.

Fading and chalking will take place approximately 5% per year as per Florida standards. This however will not have an effect on substrate protection.





Dekro Plaster and Masonry Primer can be used as a primer and sealer for all new interior and exterior porous surfaces such as asbestos, fibre cement, plaster, bricks, cement and various types of composition boarding. Suitable for binding and sealing of suitably prepared chalked and powdery surfaces to create key adhesion for subsequent coatings. It has a low odour and a novel additive to prevent Fungal and Algal growth. The actives within the additive have improved resistance to Alkali, UV and leaching, ensuring better long term stability and efficiency.



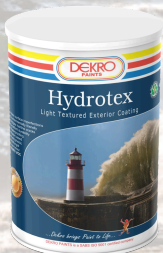
Dekro Pure Matt Acrylic can be applied to new primed cement plaster walls, fibre board, gypsum plaster, ceiling boards and suitably primed metal and wood. Ideal for any hardwearing surfaces such as walkway passages, bedrooms, dining rooms and lounge walls. Ideal for both interior and exterior use. It has a low odour and a novel additive to prevent Fungal and Algal growth. The actives within the additive have improved resistance to Alkali, UV and leaching, ensuring better long term stability and efficiency.



Dekro Pure Velvet can be applied to new primed cement plaster walls, fibre board, gypsum plaster, ceiling boards and suitably primed metal and wood. Ideal for any hardwearing surfaces such as walkway passages, bedrooms, dining rooms and lounge walls. Ideal for both interior and exterior use. It has a low odour and a novel additive to prevent Fungal and Algal growth. The actives within the additive have improved resistance to Alkali, UV and leaching, ensuring better long term stability and efficiency.



Dekro Non Drip Enamel provides a protective barrier against heat and steam and has good chip and stain resistance. Dekro Non Drip Enamel is ideal for walls, suitably primed metal, furniture and wooden trims (e.g. doors, windows and skirtings). It has a low odour and a novel additive to prevent Fungal and Algal growth. The actives within the additive have improved resistance to Alkali, UV and leaching, ensuring better long term stability and efficiency.



Dekro Hydrotex is a light textured coating for suitably primed, new and old cement plaster. Ideal for application to exterior surfaces. Overcoatable with Dekro Xterior Guard for improved waterproofing properties and reduced dirt retentiveness. It has a low odour and a novel additive to prevent Fungal and Algal growth. The actives within the additive have improved resistance to Alkali, UV and leaching, ensuring better long term stability and efficiency.



Dekro Ripple Touch is a heavy duty textured coating for suitably primed, new and old cement plaster. Ideal for application to exterior surfaces. Overcoatable with Dekro Xterior Guard for improved waterproofing properties and reduced dirt retentiveness. It has a low odour and a novel additive to prevent Fungal and Algal growth. The actives within the additive have improved resistance to Alkali, UV and leaching, ensuring better long term stability and efficiency.



Dekro Xterior Guard is an exceptionally high quality fibre reinforced flexible waterproofing coating with a low sheen. Dekro Xterior Guard bridges hairline cracks, offers extremely low dirt retention, is highly washable, has good stain resistance, excellent durability and outstanding waterproofing properties. Dekro Xterior Guard is ideal for applications that require outstanding durability and waterproofing. Designed to cover hairline cracks on old and crazed plaster. Ideal for application to exterior surfaces that are exposed to heavy weather elements. It has a low odour and a novel additive to prevent Fungal and Algal growth. The actives within the additive have improved resistance to Alkali, UV and leaching, ensuring better long term stability and efficiency.



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**QUICK
TIPS**

Walls (cement plaster, concrete or masonry) must be dry before painting and should not exceed a moisture content of 10% as measured with a Protimeter Surveymaster Moisture Meter or equal. New plaster should ideally be left for 21 days to dry.

INTERNAL WALLS

Preparation

Wash with a 1:10 Sugar Soap and water solution to remove all dust, dirt and any other surface contamination. Rinse with clean water and allow to dry. Cut out all cracks and imperfections and fill with a suitable filler. Sand smooth when dry and dust off. Remove all loose and flaking paint by scraping and sanding. Dust off.

Application

Apply one coat of Dekro Masonry and Plaster Primer to all bare plaster and filled areas (spot prime). Apply two coats Dekro Pure Velvet, allowing $\pm$ 4 – 6 hours drying time between coats.



Problem Solving

DIRT PICKUP AND DIRT RETENTION

Description

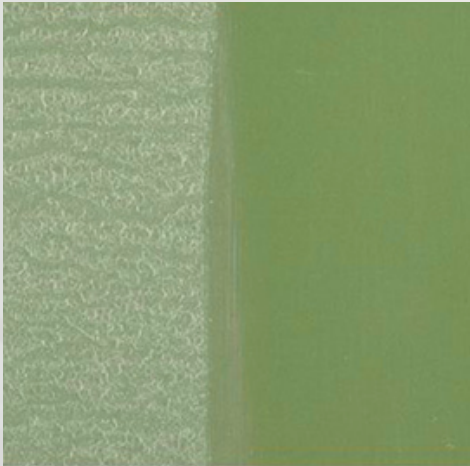
Dirt pickup describes the degree to which dirt, dust, and other contaminants adhering to a substrate and the degree to which dirt remains on the substrate after cleaning.

Possible diagnosis

- Low-quality paints, especially some matt paints, are more coarse and porous and thus more susceptible to dirt pick up and retention.
- Sheen paints with considerable flexibility could also trap dirt during expansion and contraction.
- Continuous contact with contaminants like soil and air pollution.

Remedy

- Remove dirt by washing and rinsing.
- Recoat with a good quality medium to high sheen paint such as Dekro Pure Velvet or SheerSatin



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QUICK TIPS

Different surfaces and environmental conditions require specific painting systems to produce the best possible results. Always contact a Dekro representative for advice where possible.

EXTERNAL WALLS



CEMENT PLASTER (PREVIOUSLY PAINTED)

Preparation

Remove all loose, flaking and powdery paint by hydro blasting. Cut out all cracks and imperfections. Wash all fungi infested areas and cracks with Dekro Hydrowash Fungicidal and leave for 24 hours to react. This will kill spores and limit fungal growth. Rinse with clean water and allow drying. Apply one coat of Dekro Masonry Primer to all cut out cracks and imperfections and allow drying for ± 8 hours. Fill all cracks and imperfections with a suitable filler, and sand smooth when dry. Feather all edges by sanding with suitable sandpaper and dust off.

Application

Apply one coat of Dekro Masonry and Plaster Primer to all areas (full prime), and allow to dry for ± 8 hours. Apply two coats Xterior Guard, allowing 4 - 6 hours drying time between coats.



CAST CONCRETE GARDEN WALLS (VIBRACRETE)

Preparation

Wash all fungi infested areas with Dekro Hydrowash Fungicidal and leave for 24 hours to react. This will kill spores and limit fungal growth. Rinse with clean water and allow to dry. Remove all loose, flaking paint, dust and dirt by hydro blasting.

Application

Ensure to seal and paint both sides of the walls. Apply one coat of Dekro Masonry and Plaster Primer to the entire surface at spreading rate of $\pm 6\text{m}^2$ a litre, and allow drying for ± 8 hours. Apply two coats Dekro Pure Matt, allowing 4 - 6 hours drying time between coats.



PARAPET WALLS

Preparation

Wash all fungi infested areas and cracks with Dekro Hydrowash Fungicidal and leave for 24 hours to react. This will kill spores and limit fungal growth. Rinse with clean water and allow drying. Remove all loose, flaking and powdery paint by hydro blasting. Cut out all cracks and imperfections. Apply one coat of Dekro Masonry and Plaster Primer to all cut out cracks and imperfections and allow drying for ± 8 hours. Fill all cracks and imperfections with a suitable filler, and sand smooth when dry. Feather all edges by sanding with suitable sandpaper and dust off.

Application

Apply one coat of Dekro Masonry and Plaster Primer to all areas (full prime), and allow to dry for ± 8 hours. Apply three coats Xterior Guard, allowing 4 - 6 hours drying time between coats.



BOUNDARY AND GARDEN WALLS

Preparation

Wash all fungi infested areas and cracks with Dekro Hydrowash Fungicidal and leave for 24 hours to react. This will kill spores and limit fungal growth. Rinse with clean water and allow to dry. Remove all loose, flaking and powdery paint by hydro blasting. Cut out all cracks and imperfections. Apply one coat of Dekro Masonry and Plaster Primer to all cut out cracks and imperfections and allow to dry for ± 8 hours. Fill all cracks and imperfections with a suitable filler, and sand smooth when dry. Feather all edges by sanding with suitable sandpaper and dust off.

Application

Apply one coat of Dekro Masonry and Plaster Primer to all areas (full prime), and allow to dry for ± 8 hours. Apply two coats of Dekro Pure Matt, allowing 4 - 6 hours drying time between coats.



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QUICK TIPS

For painting ceilings, roll toward the primary light source and maintain a wet edge by working in small sections. cut edges first, and finish sections

CEILINGS



CEILINGS – PAINTED PREVIOUSLY WITH ACRYLIC COATING

Preparation

Remove any mould by washing with Dekro Hydrowash Fungicidal and leave for 24 hours to react. This will kill spores and limit fungal growth. Rinse with clean water and allow to dry. Remove all loose, flaking and powdery paint by hydro blasting or scraping. Wash with a 1:10 Dekro Wunda Clean and water solution to remove all dust, dirt and any other surface contamination.

Application

Apply two coats Dekro Pure Matt, allowing $\pm 4 - 6$ hours drying time between coats.



INTERNAL CEILINGS

Preparation

Wash with a 1:10 Dekro Wunda Clean and water solution to remove all dust, dirt and any other surface contamination. Rinse with clean water and allow to dry.

Application

Apply two coats Dekro Pure Matt, allowing $\pm 4 - 6$ hours drying time between coats.

Problem Solving

SAGS, DRIPS, TEARS, CURTAINS AND RUNS

Description

Downward movement of a paint film during application and setting, resulting in an uneven film having a thicker lower edge. In this example holes in rough scratch plaster trap more paint and result in runs.

Possible diagnosis

- Too thickly applied coat due to incorrect roller cover or technique.
- Paint with poor flow properties.
- Incorrectly thinned paint.
- Painting in too cold or humid conditions.
- Spraying too close to the surface.

Remedy

- If still wet, brush or roll out to level.
- Dried paint needs to be sanded down a level and repainted. Make sure that the paint and application technique match the original.
- Do not paint in excessively cold or humid conditions.
- Do not overload brush or roller with paint.



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**QUICK
TIPS**

Do not empty contents or wash water into drains or water courses when cleaning painting equipment.

WOOD



PAINTED WOOD

Preparation

Remove all loose and flaking paint by scraping and sanding. Sand the entire surface to provide a key for subsequent paint coatings and to feather all edges. Punch all proud nail heads. Prime all nail and screw heads with Dekro Hydrobond 44 Primer and allow to dry for ± 6 hours. Fill all holes with a suitable wood filler e.g. Exterior Brummer Stopping and sand smooth when dry. Wash with a 1:10 ratio Dekro Wunda Clean and water solution to remove all dust, dirt and any other surface contamination. Rinse with clean water and allow to dry.

Application

Apply one coat Dekro Pink Wood Primer to all bare areas (spot prime) and allow to dry for ± 24 hours. Apply one coat Dekro Universal Undercoat and allow to dry for ± 12 hours. Apply two coats Dekro Non Drip Enamel, allowing $\pm 4-6$ hours drying time between coats.

Problem Solving

MUD OR STAR CRACKING

Description

Star or mud type crack patterns in the paint film. The top of the film dries faster than the internal bottom layer and the difference in tension results in cracks. Cracks are generally large in size ranging from 5-15mm in diameter and they tend to be surface cracks.

Possible diagnosis

- Water-based paints applied to hot substrates.
- Water-based paint drying under extremely hot conditions.

Remedy

- Sand down and recoat in thinner layers at more moderate temperatures.
- Allow longer drying times between coats.



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**QUICK
TIPS**

To ensure consistent appearance ensure that the batch numbers on all containers used are the same. Where batch numbers on containers differ, intermix containers before use.

METAL



STEEL WINDOW FRAMES (PREVIOUSLY PAINTED)

Preparation

Remove all loose glazing putty, remove all flaking paint by scraping and sanding. Sand the surface to provide a key for subsequent paint coatings. Remove all visible rust by sanding back to bare metal. Wash with a 1:10 ratio Dekro Wunda Clean and water solution to remove all dust, dirt and any other surface contamination. Rinse with clean water and allow to dry.

Application

Apply one coat of Dekro Hydrobond 44 Primer to all bare metal areas (spot prime) and allow to dry for ± 6 hours. Replace glazing putty and allow to dry thoroughly. Apply one coat Dekro Universal Undercoat and allow to dry for ± 12 hours. Apply two coats Dekro Non Drip Enamel, allowing $\pm 4-6$ hours drying time between coats.

Problem Solving

CORROSION BLISTERS

Description

Fine blisters result in lifting and loss of adhesion from the substrate. Corrosion residues such as rust are often present inside the blister.

Possible diagnosis

- Absence of a corrosion resistant primer under a topcoat.
- Insufficient coating system thickness.
- Failure to remove contaminants i.e. rust, salts, chlorides, oil, and dirt prior to painting.
- Applying a coating system not suited to corrosive conditions. Corrosion-resistant coatings are generally less permeable, contain functional pigments and possess excellent adhesion and flow properties.

Remedy

- Remove defective paint.
- Remove rust and contaminants from the metal substrate.
- Select an appropriate coating for the substrate type and exposure conditions.
- Ensure that surface finish/texture is as per coating system requirements.
- Recoat surface in the prescribed time and during the correct weather conditions.



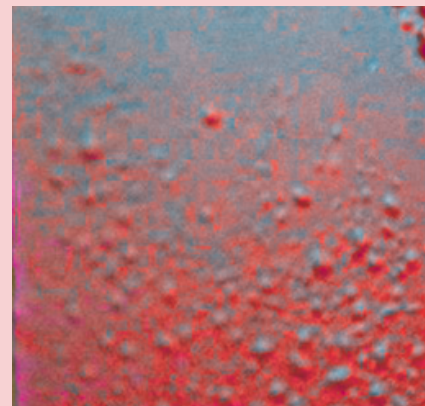
PAINTED METAL SURFACES

Preparation

Remove all loose and flaking paint by scraping and sanding. Remove all visible rust by sanding back to bare metal. Sand the entire surface to obtain a suitable key for subsequent paint coatings. Wipe with a Turpentine rag to remove all dust, dirt and any other surface contamination. Allow to dry.

Application

Apply one coat of Dekro Hydrobond 44 Primer to all bare metal areas (spot prime) and allow to dry for $\pm 6 - 8$ hours. Apply one coat of Dekro Universal Undercoat and allow to dry for ± 12 hours. Apply two coats Dekro Non Drip Enamel, allowing $\pm 4-6$ hours drying time between coats.



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**QUICK
TIPS**

Always keep a wet edge and avoid downing tools during the application process to prevent lap marks and variances in colour or texture. Always apply a minimum of 2 coats.

ROOFS



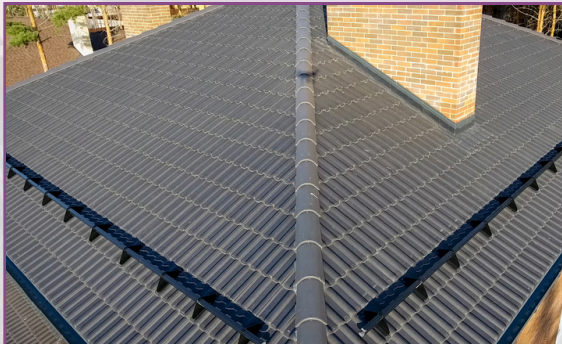
ASBESTOS ROOF TILES

Preparation

Apply one coat of Dekro Hydrowash Fungicidal and leave for 24 hours to react to kill all spores. Remove all dust, dirt, fungi growth and any other surface contamination. Rinse with fresh water and allow to dry.

Application

Apply first coats of Dekro Allroof (thinned 10%-15% with water) and allow to dry for 4 – 6 hours. Apply second coat of Dekro Allroof.



CEMENT ROOF TILES

Preparation

Apply one coat of Dekro Hydrowash Fungicidal and leave for 24 hours to react to kill all spores. Remove all dust, dirt, fungi growth and any other surface contamination by hydroblasting. Rinse with fresh water and allow to dry.

Application

Apply first coats of Dekro Allroof (thinned 10%-15% with water) and allow to dry for 4 – 6 hours. Apply second coat of Dekro Allroof.



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GALVANIZED METAL ROOFS

Preparation

Apply one coat of Dekro Hydrowash Fungicidal and leave for 24 hours to react to kill all spores. Remove all dust, dirt, fungi growth and any other surface contamination by hydroblasting. Rinse with fresh water and allow to dry.

Application

Apply one coat of Hydrobond 44 or Vasbyt and allow to dry for 6-8 hours. Apply two coats of Dekro Allroof allowing 4-6 hours drying time between coats.



IBR METAL ROOFS

Preparation

Apply one coat of Dekro Hydrowash Fungicidal and leave for 24 hours to react to kill all spores. Remove all dust, dirt, fungi growth and any other surface contamination by hydroblasting. Rinse with fresh water and allow to dry.

Application

Apply one coat of Hydrolock Primer and allow to dry 2 - 3 hours. Areas must be overcoated within 24 hours to prevent loss in adhesion. Apply two coats of Dekro Allroof allowing 4-6 hours drying time between coats

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VERDE HOTELS

Hotel Verde

Hotel Verde

NUOVO
RESTAURANTE

OUTDOOR
WETLAND OASIS

CASE STUDIES

Hotel Verde Cape Town

When Africa's greenest hotel required a comprehensive protective coating, Dekro Paints stepped forward to engineer an eco-friendly coating system that matched the facility's world-class sustainability credentials. Known as a pioneer in eco-conscious hospitality, Hotel Verde Cape Town Airport holds a prestigious 6-star Green Star rating from the Green Building Council of South Africa (GBCSA), securing its global "World Leadership" status. To uphold this standard while restoring the building's faded exterior, Dekro Paints deployed an advanced, non-toxic commercial paint strategy.

The Technical Challenge: Extreme Fading

The primary challenge of the project lay in the severe degradation of the building's original exterior facades.

Engineering the Solution: Co-Grinded Pigments

To solve the fading problem, Dekro Paints teamed up with specialised colourant developers to engineer high-durability clear base paints paired with advanced colour-fast pigments.

The technical breakthrough for the vibrant green and purple facades involved a process called co-grinding:

- **Pigment Dispersion:** Fillers and pigments are ground down together into a uniform liquid matrix.
- **Consistent Strength:** This mechanism creates a vastly superior "first-time" colour value due to optimal pigment separation.



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Island Club



Dekro Paints is proud to spearhead the comprehensive external redecoration of The Island Club, a premium, European-style residential development located in Century City, Cape Town. Working hand-in-hand with Skai Projects and the Island Club Maintenance Team, this project completely upgrades and protects the complex's multi-structured facades. Because this development is situated right along a bustling canal system, the property requires highly advanced, weather-resistant paint technology to survive the damp conditions.

Protecting the Facades with Advanced Waterproofing

Waterfront living brings peace and luxury, but it also exposes buildings to constant moisture, rising damp, and harsh weather. To combat this, the team is utilizing high-performance coatings specifically engineered for the demanding South African climate.

- **Dekro Xterior Guard:** This is the flagship product being rolled out across the external plaster facades. It is a flexible, fiber-reinforced coating built on pure acrylic polymers.

Going Green for Century City

The Island Club embraces modern urbanism, making eco-conscious product choices a high priority for the estate. Dekro Paints is fulfilling this need by supplying its signature Environmental Friendly Range.

The entire exterior layout is coated with products that minimize ecological footprint without compromising on durability. These green-tier formulations feature minimal volatile organic compounds (VOCs). They contain zero harmful solvents or ammonia, keeping the air clear and safe for residents, pets, and the surrounding marine life.



Golf Park

Dekro Paints successfully completed the high-performance external redecoration of Building 5 (Red Panda) at the prestigious Golf Park office complex in Mowbray, Cape Town. Located adjacent to the King David Mowbray Golf Course, the business park requires specialized coatings capable of withstanding local weather while maintaining its premium aesthetic.

The Project Blueprint (Xterior Guard)

- The Location: Golf Park 5 features six landscaped corporate buildings with unobstructed mountain views.
- The Collaboration: The project was executed in partnership with IPMT to overhaul the degraded building exterior.
- The Challenge: Meeting strict technical parameters, including resolving badly corroded metal elements and ensuring a dry film thickness (DFT) exceeding 195μ for ultimate coverage and protection.



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