

UNIVERSITY OF THE
FREE STATE
UNIVERSITEIT VAN DIE
VRYSTAAT
YUNIVESITHI YA
FREISTATA



UFS PAINT SPECIFICATION

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These document consist the specifications of:

Laminin Coatings (Pty) Ltd
Kansai Plascon (Pty) Ltd
ICI Dulux (Pty) Limited

General Preparations

All surfaces must be clean, sound and dry.

Remove all loose flakes and apply **PlasterSeal/Alkyd PlasterPrime/Plascon Plaster Primer/Alkali Plaster Primer**, to obtain a stable surface.

Even-out imperfections with **WallSkim/Terraco Handycoat Ext/Smoothover Skim Plaster** and fill cracks with **Fill**. To stabilize chalky surfaces, apply **PlasterSeal/Alkyd PlasterPrime/Plascon Plaster Primer/Alkali Plaster Primer**.

Previously painted sound surfaces can be washed with sugar soap and rinse thoroughly with clean water.

To ease application, sand previously painted stable surfaces.

For water damaged, porous and alkaline surfaces, Apply **PlasterSeal/Alkyd PlasterPrime/Plascon Plaster Primer/Alkali Plaster Primer**, to stabilize surface.

Remove rust on mild steel and galvanize. Apply **HydroFlex/Multi Seal/Rainshield**, to stabilize surface. If rust cannot be removed completely, spot prime with a rust converter before application of primer.

Before recoating, sand previously varnished surfaces well to remove mirror-like image to a flat film.

Precautions

Do not paint over surfaces with moisture content above 15%.

Stir paint well with a flat paddle.

Avoid painting in moist / humid conditions. To allow applied paint to cure, there should be no rain forecast for at least 7 days.

Ideal application conditions and surface temperature should be between 10°C –35°C with a relative humidity of less than 75%. It is not recommended to paint in direct sunlight as this will result in the paint drying too fast leading to visible "lap-marks". Windy conditions might have a similar effect and can cause a deposit of dust particles on the wet paint.

To ensure colour- and sheen level consistency, purchase from the same production batch of paint.

Tint bases contain fewer litres than advertised.

Spreading rates are theoretical and based on smooth / flat surfaces.

Do not wash or abrade newly painted surfaces until properly cured.

Allow 7 days for paint to dry properly and 30 days to reach full strength.

Health & Safety

Keep out of children's reach.

Do not eat, drink or smoke during any application.

Ensure appropriate ventilation during application and drying.

May be harmful if swallowed.

Wear protective equipment during preparation, application and cleaning.

Avoid contact with eyes. In case of contact, immediately rinse with clean water and seek medical advice.

Avoid contact with skin. In case of contact, wash thoroughly with soap and water. If skin irritation occurs, seek medical advice.

SPECIFICATION 1.1 EXTERIOR WALLS: PREVIOUSLY PAINTED

Plastered walls, smooth concrete surfaces, fair face brickwork, rough plaster and stipple plaster

Products Required:

- EnviroSilk/Wall & All/WallGuard
- Alkyd PlasterPrime/Plascon Plaster Primer/Alkali Plaster Primer
- PlasterSeal/Waterbased Masonry Filler/Ecosure Plaster Primer
- HydroFlex/Multi Seal/Rainshield

SURFACE PREPARATION:

Wall areas to be re-coated must be high-pressure washed in order to remove any loose and flaking paint, contaminants and to provide a sound surface for subsequent paint coatings. All areas containing fungal growth should be brushed off and treated with anti-fungal wash.

Hairline & Structural Cracks:

Open and allow to dry until moisture content is below 15%

Apply Kwartz Fill/Polyfilla/Smoothover Skim Plaster to surface cracks.

WallSkin/Terraco Handycoat Ext/Smoothover may be applied to smooth out uneven surfaces.

APPLICATION PRIMER:

Substrate moisture content must be below 15%.

Apply a single coat Alkyd PlasterPrime/Plascon Plaster Primer/Alkali Plaster Primer to all bare and unstable previously painted surfaces for superior moisture tolerance.

OR

Apply a single coat PlasterSeal/Waterbased Masonry Filler/Ecosure Plaster Primer to all bare, unstable dry and porous previously painted surfaces.

APPLICATION UNDERCOAT:

Universal UnderCoat/Universal Undercoat (UC 1)/Universal Undercoat may be applied to improve opacity and adhesion over previously painted stable water based and alkyd systems.

OR

MaxiCoat/PEM 600/Bergermaster Nukote may be applied to improve opacity and adhesion over previously painted stable water based systems.

APPLICATION TOPCOAT:

Apply two coats EnviroSilk/Wall & All/WallGuard according to datasheet specification.

PARAPETS:

All parapets must be sealed by applying two coats of HydroFlex/Multi Seal/Rainshield in a crisscross pattern.

SPECIFICATION 1.2 EXTERIOR WALLS: NEWLY PLASTERED

Plastered walls, smooth concrete surfaces, fair face brickwork, rough plaster and stipple plaster

Products Required:

- EnviroSilk/Wall & All/WallGuard
- Alkyd PlasterPrime/Plascon Plaster Primer/Alkali Plaster Primer
- PlasterSeal/Waterbased Masonry Filler/Ecosure Plaster Primer
- HydroFlex/Multi Seal/Rainshield
- WallSkim/Terraco Handycoat Ext/Smoothover Skim Plaster

SURFACE PREPARATION:

Newly plastered surfaces must be sound, dry and stable with moisture content below 15%.

Apply Kwartz Fill/Polyfilla/Multi Purpose Crack Filler to surface cracks.

WallSkim/Terraco Handycoat Ext/Smoothover Skim Plaster may be applied to smooth out uneven surfaces.

APPLICATION PRIMER:

Substrate moisture content must be below 15%.

Apply a single coat Alkyd PlasterPrime/Plascon Plaster Primer (UC 56)/Alkali Plaster Primer for superior moisture tolerance.

OR

Apply a single coat PlasterSeal/Masonry Filler (GPS 1)/Ecosure Plaster Primer to dry and porous surfaces.

APPLICATION TOPCOAT:

Apply two coats EnviroSilk/Wall & All/WallGuard according to datasheet specification.

PARAPETS:

All parapets must be sealed by applying two coats of HydroFlex/Multi Seal/Rainshield in a crisscross pattern.

SPECIFICATION 2.1 INTERIOR WALLS: PREVIOUSLY PAINTED

Plastered walls, smooth concrete surfaces, fair face brickwork, rough plaster and stipple plaster

Products Required:

- TruVelvet/Double Velvet/Luxurious Silk
- Alkyd PlasterPrime/Plascon Plaster Primer (UC 1)/Alkali Plaster Primer
- PlasterSeal/Masonry Sealer (GPS 1)/Ecosure Plaster Primer

SURFACE PREPARATION:

Remove all loose and flaking paint to provide a sound surface for subsequent paint coatings

Hairline & Structural Cracks:

Open and allow to dry until moisture content is below 15%

Apply Kwartz Fill/Polyfilla/Multi Purpose Crack Filler to surface cracks.

WallSkim/Terraco Ez Skim (TER)/Smoothover Skim Plaster may be applied to smooth out uneven surfaces.

APPLICATION PRIMER:

Substrate moisture content must be below 15%.

Apply a single coat Alkyd PlasterPrime/Plascon Plaster Primer (UC 1)/Alkali Plaster Primer to all bare and unstable previously painted surfaces for superior moisture tolerance.

OR

Apply a single coat PlasterSeal/Masonry Sealer (GPS 1)/Ecosure Plaster Primer to all bare, unstable dry and porous previously painted surfaces.

APPLICATION UNDERCOAT:

Universal UnderCoat/Universal Undercoat (UC 1)/Universal Undercoat may be applied to improve opacity and adhesion over previously painted stable water based and alkyd systems.

OR

MaxiCoat/PEM 600/Bergermaster Nukote may be applied to improve opacity and adhesion over previously painted stable water based systems.

APPLICATION TOPCOAT:

Apply two coats TruVelvet/Double Velvet/Luxurious Silk according to datasheet specification.

SPECIFICATION 2.2 INTERIOR WALLS: NEWLY PLASTERED

Plastered walls, smooth concrete surfaces, fair face brickwork, rough plaster and stipple plaster

Products Required:

- TruVelvet/Double Velvet/Luxurious Silk
- Alkyd PlasterPrime/Plascon Plaster Primer/Alkali Plaster Primer
- PlasterSeal/Masonry Sealer (GPS 1)/Ecosure Plaster Primer
- WallSkim/Terraco Ez Skim/Smoothover Skim Plaster

SURFACE PREPARATION:

Newly plastered surfaces must be sound, dry and stable with moisture content below 15%.

Apply Kwartz Fill/Polyfilla/Multi Purpose Crack Filler to surface cracks.

WallSkim/Terraco Ez Skim/Smoothover Skim Plaster may be applied to smooth out uneven surfaces.

APPLICATION PRIMER:

Substrate moisture content must be below 15%.

Apply a single coat Alkyd PlasterPrime/Plascon Plaster Primer/Alkali Plaster Primer for superior moisture tolerance.

OR

Apply a single coat PlasterSeal/Masonry Sealer (GPS 1)/Ecosure Plaster Primer to dry and porous surfaces.

APPLICATION TOPCOAT:

Apply two coats TruVelvet/Double Velvet/Luxurious Silk according to datasheet specification.

SPECIFICATION 3.1 WOODWORK: PREVIOUSLY PAINTED

Timber surfaces to be painted

Products Required:

- **WoodPrime/Pink Wood Primer (UC 2)/Pink Wood Primer**
- **HiGloss/Super Universal Enamel/Gloss Enamel**

SURFACE PREPARATION:

Remove all loose and flaking paint to provide a sound surface for subsequent paint coatings

APPLICATION PRIMER AND UNDERCOAT:

Apply one coat **WoodPrime/Pink Wood Primer (UC 2)/Pink Wood Primer** to all bare wooden substrates.

Apply **Kwartz Fill/Polyfilla/Multi Purpose Crack Filler** to surface cracks.

WallSkim/Terraco Handycoat Ext/Smoothover Skim Plaster may be applied to smooth out uneven surfaces.

APPLICATION TOPCOAT:

Apply two coats **HiGloss/Super Universal Enamel/Gloss Enamel** according to datasheet specification. For interior and exterior use

OR

Apply two coats **NonDrip/Velvaglo/Trade Pearlglo** according to datasheet specification. For a satin finish interior only

SPECIFICATION 3.2 WOODWORK: NEWLY PAINTED

Timber surfaces to be painted

Products Required:

- WoodPrime/Pink Wood Primer/Pink Wood Primer
- HiGloss/Super Universal Enamel/Gloss Enamel

SURFACE PREPARATION:

Wooden surfaces must be sound, dry and stable.

Apply Kwartz Fill/Polyfilla/Multi Purpose Crack Filler to surface cracks.

WallSkim/Terraco Handycoat Ext/Smoothover Skim Plaster may be applied to smooth out uneven surfaces.

APPLICATION PRIMER AND UNDERCOAT:

Apply one coat WoodPrime/Pink Wood Primer/Pink Wood Primer to all bare wooden substrates.

Apply Kwartz Fill/Polyfilla/Multi Purpose Crack Filler to surface cracks.

WallSkim/Terraco Handycoat Ext/Smoothover Skim Plaster may be applied to smooth out uneven surfaces.

APPLICATION TOPCOAT:

Apply two coats HiGloss/Super Universal Enamel/Gloss Enamel according to datasheet specification. For interior and exterior use

OR

Apply two coats NonDrip/Velvaglo/Trade Pearlgl according to datasheet specification. For a satin finish interior only

SPECIFICATION 3.3 WOODWORK: NEWLY VARNISH

Timber surfaces to be varnished

Products Required:

- **WoodVarnish Interior/Woodcare Ultra Varnish X33 X44/Double Life Timbavarnish**
- **WoodVarnish Exterior/Woodcare Sunproof (WSP)/Timbavarnish**

SURFACE PREPARATION:

Wooden surfaces must be sound, dry and stable.

APPLICATION TOPCOAT:

Apply one coat of **WoodVarnish Interior/Woodcare Ultra Varnish X33 X44/Double Life Timbavarnish** thinned with 10% mineral turpentine followed by two undiluted coats.

OR

Apply one coat of **WoodVarnish Exterior/Woodcare Sunproof (WSP)/Timbavarnish** thinned with 10% mineral turpentine followed by two undiluted coats.

SPECIFICATION 3.4 WOODWORK: PREVIOUSLY VARNISHED

Timber surfaces to be varnished

Products Required:

- WoodVarnish Interior/Woodcare Ultra Varnish X33 X44/Double Life Timbavarnish
- WoodVarnish Exterior/Woodcare Sunproof (WSP)/Timbavarnish
- WoodPreserve/Woodcare Preservative/Timbapreservative

SURFACE PREPARATION:

Sand existing varnish to remove mirror-like image to a flat surface.

Sand lightly if previously coated with a wax sealer or oil.

APPLICATION TOPCOAT:

Apply three coats WoodVarnish Interior/Woodcare Ultra Varnish X33 X44/Double Life Timbavarnish if previously coated with a varnish.

OR

Apply three coats WoodVarnish Exterior/Woodcare Sunproof/Timbavarnish if previously coated with a varnish.

OR

Apply three coats WoodPreserve/Woodcare Preservative/Timbapreservative if previously coated with a wax or oil sealer.

SPECIFICATION 4.1 FIBER CEMENT: PREVIOUSLY PAINTED

Products Required

- Alkyd PlasterPrime/Plaster PR/Alkali Plaster Primer
- PlasterSeal/Masonry Sealer (GPS 1)/Ecosure Plaster Primer
- EnviroSilk/Wall & All/WallGuard
- SuperAcrylic/Polvin/Trade 65 Matt
- TruVelvet/Double Velvet/Luxurious Silk

SURFACE PREPARATION:

Remove all loose and flaking paint to provide a sound surface for subsequent paint coatings

APPLICATION PRIMER:

Substrate moisture content must be below 15%.

Apply a single coat Alkyd PlasterPrime/Plaster PR/Alkali Plaster Primer to all bare and unstable previously painted surfaces for superior moisture tolerance.

OR

Apply a single coat PlasterSeal/Masonry Sealer (GPS 1)/Ecosure Plaster Primer to all bare, unstable dry and porous previously painted surfaces.

APPLICATION TOP COAT:

Interior ceilings: apply two coats SuperAcrylic/Polvin/Trade 65 Matt according to datasheet specification.

Interior walls: apply two coats TruVelvet/Double Velvet/Luxurious Silk according to datasheet specification.

Exterior walls and ceilings: apply two coats EnviroSilk/Wall & All/WallGuard according to datasheet specification

SPECIFICATION 4.2 FIBER CEMENT: NEWLY PAINTED

Products Required

- Alkyd PlasterPrime/Plascon Plaster Primer/Alkali Plaster Primer
- PlasterSeal/Masonry Sealer (GPS 1)/Ecosure Plaster
- EnviroSilk/Wall & All/WallGuard
- SuperAcrylic/Polvin/Trade 65 Matt
- TruVelvet/Double Velvet/Luxurious Silk

SURFACE PREPARATION:

Surfaces must be sound, dry and stable.

Apply Kwartz Fill/Polyfilla/Multi Purpose Crack Filler to surface cracks.

WallSkim/Terraco Ez Skim/Smoothover Skim Plaster may be applied to smooth out uneven surfaces

APPLICATION PRIMER:

Substrate moisture content must be below 15%.

Apply a single coat Alkyd PlasterPrime/Plascon Plaster Primer/Alkali Plaster Primer for superior moisture tolerance.

OR

Apply a single coat PlasterSeal/Masonry Sealer (GPS 1)/Ecosure Plaster Primer to dry and porous surfaces.

APPLICATION TOP COAT:

Interior ceilings: apply two coats SuperAcrylic/Polvin/Trade 65 Matt according to datasheet specification.

Interior walls: apply two coats TruVelvet/Double Velvet/Luxurious Silk according to datasheet specification.

Exterior walls and ceilings: apply two coats EnviroSilk/Wall & All/WallGuard according to datasheet specification

SPECIFICATION 5.1 CEILING BOARDS (GYPSUM): PREVIOUSLY PAINTED

Products Required

- Alkyd PlasterPrime/Plascon Plaster Primer/Alkali Plaster Primer
- PlasterSeal/True Colour Primer, Sealer/Ecosure Plaster Primer
- EnviroSilk/Wall & All/WallGuard
- SuperAcrylic/Polvin/Trade 65 Matt
- TruVelvet/Double Velvet/Luxurious Silk

SURFACE PREPARATION:

Remove all loose and flaking paint to provide a sound surface for subsequent paint coatings

APPLICATION PRIMER:

Substrate moisture content must be below 15%.

Apply a single coat Alkyd PlasterPrime/Plascon Plaster Primer/Alkali Plaster Primer to all bare and unstable previously painted surfaces for superior moisture tolerance.

OR

Apply a single coat PlasterSeal/True Colour Primer, Sealer/Ecosure Plaster Primer to all bare, unstable dry and porous previously painted surfaces.

APPLICATION TOP COAT:

Interior ceilings: apply two coats SuperAcrylic/Polvin/Trade 65 Matt according to datasheet specification.

Interior walls: apply two coats TruVelvet/Double Velvet/Luxurious Silk according to datasheet specification.

Exterior walls and ceilings: apply two coats EnviroSilk/Wall & All/WallGuard according to datasheet specification

SPECIFICATION 5.2 CEILING BOARDS (GYPSUM): NEWLY PAINTED

Products Required

- Alkyd PlasterPrime/Plascon Plaster Primer/Alkali Plaster Primer
- PlasterSeal/True Colour Primer, Sealer/Ecosure Plaster Primer
- EnviroSilk/Wall & All/WallGuard
- SuperAcrylic/Polvin/Trade 65 Matt
- TruVelvet/Double Velvet/Luxurious Silk

SURFACE PREPARATION:

Surfaces must be sound, dry and stable.

Apply Kwartz Fill/Polyfilla/Multi Purpose Crack Filler to surface cracks.

WallSkim/Terraco Ez Skim/Smoothover Skim Plaster may be applied to smooth out uneven surfaces

APPLICATION PRIMER:

Substrate moisture content must be below 15%.

Apply a single coat Alkyd PlasterPrime/Plascon Plaster Primer UC 56/Alkali Plaster Primer for superior moisture tolerance.

OR

Apply a single coat PlasterSeal/True Colour Sealer, Primer/Ecosure Plaster Primer to dry and porous surfaces.

APPLICATION TOP COAT:

Interior ceilings: apply two coats SuperAcrylic/Polvin/Trade 65 Matt according to datasheet specification.

Interior walls: apply two coats TruVelvet/Double Velvet/Luxurious Silk according to datasheet specification.

Exterior walls and ceilings: apply two coats EnviroSilk/Wall & All/WallGuard according to datasheet specification

**SPECIFICATION 6.1
METAL WORK - MILD STEEL: PREVIOUSLY PAINTED**

Products Required:

- **HiGloss/Super Universal Enamel/Gloss Enamel**
- **HydroEtch/Galvanized Iron Primer/Steel Primer Grey**
- **Rust Converter/Rust End/Hammerite No. 1 Primer**

SURFACE PREPARATION:

Remove all loose and flaking paint to provide a sound surface for subsequent paint coatings.

APPLICATION PRIMER AND UNDERCOAT:

Apply **Rust Converter/Rust End/Hammerite No. 1 Primer** to existing rusted areas.

Apply a single coat **HydroEtch/Galvanized Iron Primer/Steel Primer Grey**.

APPLICATION TOP COAT:

Apply two coats **HiGloss/Super Universal Enamel/Gloss Enamel** according to datasheet specification.

SPECIFICATION 6.2 METAL WORK - MILD STEEL: NEWLY PAINTED

Products Required:

- **HiGloss/Super Universal Enamel/Gloss Enamel**
- **HydroEtch/Galvanized Iron Primer (GIP 1)/Steel Primer Grey**
- **Galvanized Cleaner/Galvanized Iron Cleaner GIC/Galvanized Iron Cleaner**

SURFACE PREPARATION:

Wash surface with **Galvanized Cleaner/Galvanized Iron Cleaner GIC/Galvanized Iron Cleaner**.
Rinse thoroughly with clean water until a water break free line is acquired

APPLICATION PRIMER AND UNDERCOAT:

Apply a single coat **HydroEtch/Galvanized Iron Primer (GIP 1)/Steel Primer Grey**.

APPLICATION TOP COAT:

Apply two coats **HiGloss/Super Universal Enamel/Gloss Enamel** according to datasheet specification.

SPECIFICATION 7.1
METAL WORK - GALVANISED STEEL: PREVIOUSLY PAINTED

Products Required:

- **Roof/Nu Roof Cool/RoofGuard**
- **HydroEtch/Galvanized Iron Primer/Galvanized Iron Primer**

SURFACE PREPARATION:

Remove all loose and flaking paint to provide a sound surface for subsequent paint coatings.

APPLICATION PRIMER AND UNDERCOAT:

Apply a single coat **HydroEtch/Galvanized Iron Primer/Galvanized Iron Primer**.

APPLICATION TOP COAT:

Apply two coats **Roof/Nu Roof Cool/RoofGuard** according to datasheet specification.

SPECIFICATION 7.2
METAL WORK - GALVANISED STEEL: NEWLY PAINTED

Products Required:

- Roof/Nu Roof Cool/RoofGuard
- HydroEtch/Galvanized Iron Primer/Galvanized Iron Primer
- Galvanized Cleaner/Galvanized Iron Cleaner (GIC 1)/Galvanized Iron Cleaner

SURFACE PREPARATION:

Wash surface with Galvanized Cleaner/Galvanized Iron Cleaner (GIC 1)/Galvanized Iron Cleaner.
Rinse thoroughly with clean water until a water break free line is acquired

APPLICATION PRIMER AND UNDERCOAT:

Apply a single coat HydroEtch/Galvanized Iron Primer/Galvanized Iron Primer.

APPLICATION TOP COAT:

Apply two coats Roof/Nu Roof Cool/RoofGuard according to datasheet specification.

SPECIFICATION 8 ROOFS: TILED

Products Required

- Roof/**Nu Roof Cool**/**RoofGuard**
- **HydroFlex** / **HydroSeal**/**Multi Seal**/**Rainshield** / **Dampshield** system
- **BondAll (Acrylic)**/**N/A**/**Bonding Liquid**

SURFACE PREPARATION

Wash with high pressure to ensure surface is free from dust, loose debris or flaking paint. Replace all old and inadequate roof seal membrane and reseal with **HydroFlex** / **HydroSeal**/**Multi Seal**/**Rainshield** / **Dampshield** system. Remove all fungal growth and treat with fungal wash.

APPLICATION PRIMER

Apply **BondAll (Acrylic)**/**N/A**/**Bonding Liquid** to all bare surfaces until stabilized

APPLICATION TOP COAT

Apply two coats **Roof**/**Nu Roof Cool**/**RoofGuard** according to datasheet specification.