

YOUR REF.: WCS: 045965
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4 December 2013

**WCS: 045965: NEWCASTLE JUSTICE: HERITAGE BUILDINGS:
HERITAGE REPORT**

Supervising Heritage Architect: Christopher Sparks

FAMILY COURT BUILDING:



Image 1: Murchison Street Elevation



Image 2: Side Elevation

Investigation and Observations

The existing Civil Court, also referred to as the “Old Police Station”, is situated on Erf 437 in Murchison Street, Newcastle.

According to the Newcastle Municipality they have no record of any building plans or any other information about this specific building. This is due the fact that the buildings are State owned. The National Department of Works in Pretoria has also confirmed that they have no building plans of this building.

Meeting with the curator of the Fort Amiel Museum in Newcastle, Louis Eksteen, who dates the building back to the 1890’s when looking at the key Architectural features of that era. Surrounding buildings dating from the same era include the old Town Hall, currently used as the Tourist Beareu. We have also realised that the building has been previously restored but to date, no has been able to tell us when this took place or who was responsible for the restoration. We also contacted Captain Amelia Heppal of the SAPS who is responsible for the facilities management. She was unable to assist us with any additional information.

Along with the restoration another wing was added to the back of the building – this is evident in the use of different bricks and also different windows (steel instead of timber)

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and window cills (tiles instead of sandstone/cement). Please see image to illustrate our observation regarding this.



Image 3: Illustrates the existing part of the building as well as the addition. There is a visible difference in the different bricks used and new brickwork is also visible over the existing windows.

Within the existing building we found that alterations had been made as follows:

1. The fire places along with the mantlepices have been removed.
2. A new wall and door has been installed into the current the Magistrates office.
3. The safe has been damaged and there was a new door added on the outside office.
Some of the doors have retained the original ironmongery and we want to use this to match new door handles and locks.
4. Some parts of the skirting have been removed to fit electrical cables or power skirting.
5. Some of the ceiling panels will need replacement due to visible water damage.
6. Some door thresholds will need replacing as the timber is badly damaged.

All other elements such as the Oregon Pine Floors; the ceilings; the skirtings to some extent and the doors are in a fairly good condition and will not need to be replaced; but will be cleaned and painted as described in the architectural specification for the restoration work.

Image 4: Damaged skirting



Image 5: Chubb safe



Image 6: Fire Place



On the outside the following observations were made (see images on next page):

1. Windows on the Western and Northern sides are severely damaged and weathered.
2. Steel Gutters and downpipes are damaged, removed or hanging loose. These will need to be replaced.
3. The timber fascias and bargeboards are badly weathered and will need to be replaced by timber elements to match existing.
4. Metal roof sheeting on the addition is in a good condition and will only need to be sanded down and repainted. Metal roof sheeting on the old part will need to be checked thoroughly for loose sheets and loose roof nails; possible leaks and rust damage.
5. Sandstone cladding is in a fair condition and will only need cleaning.
6. The timber columns will need to be replaced as there are signs of weathering and in some instances the timber has splintered.
7. The column bases should also be removed carefully, sanded down and repainted.
8. The verandah floor will need to be removed due to bad cracks in the concrete. Expansion joints should be kept in the same position when new concrete floor is cast.
9. All timber beams and purlins on verandah roof should be checked for rot and structural failure. On inspection these elements looked fine but should be rechecked as soon as the contractor is on site.
10. Some of the brickwork on the outside is showing signs of disintegrating. These powdery bricks should be removed and replaced with bricks to match existing building.
11. The roof vents have been closed at some stage apparently due to bird infestation and should be reopened. These timber vents are badly damaged and weathered and will be replaced by new timber vents (horizontal timber slats). Care will also need to be taken to ensure that birds do not nest in the roof.
12. The chimneys are structurally sound and will only need a good service, sand down and new coat of paint.
13. All floor vents will need to be checked and cleaned from any plant materials.
14. Electricity sockets and switches are badly out dated and have not been serviced or improved in many years. This is definitely a safety risk.

Image 7: 1-window



Image 8: 2-gutter



Image 9: 3-Fascias & Barge boards

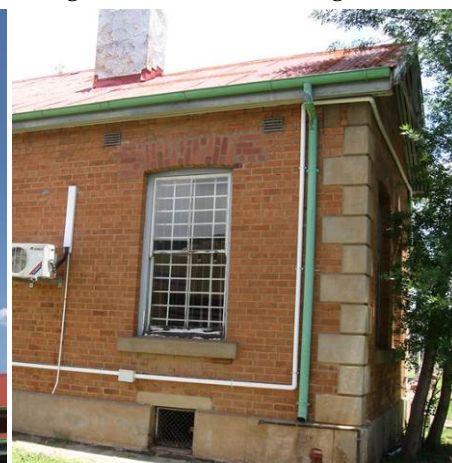




Image 10: 4-Roof sheeting



Image 11: 5-sandstone



Image 12: 6-Columns



Image 13: 7-Column base



Image 14: 8-Verandah



Image 15: 9-Timber beams & purlins



Image 16: 10-Brickwork



Image 17: 11-Roof vent



Image 18: 12-Chimney



Image 19: 13 – Floor vents



Image 20: 14 - Aircon units

Plans, Proposal and Motivation

The plan with this building is to do a full restoration and to restore it to the best possible state of the era it dates from.

The only change proposed is the addition of a small toilet to accommodate the magistrate. The position for the proposed toilet will be within the building near the (now un-used) front door, next to the current Magistrates office. According to the department of Justice, it is necessary to provide each Magistrate with a private toilet to avoid direct contact with members of the public. This is to secure the safety of Magistrates as incidents of threats or assault have been recorded at other courts.

Our initial thoughts were to brick up the door but we have decided to retain the door and to rather brick up one of the interior doors. This door, see image below, will then be removed and installed at the magistrates office entrance door and the front door will be retained. The current door to the magistrate’s office has been added at a later stage and does not match the other doors.

The front entrance door (currently locked and unused) will remain locked and unused as it is at the moment. The new toilet will be accessed from the passage with a new door and will have any visual impact on the elevations of the building.



Image 21: Keep front door Image 22: Brick-up door Image 23: Replace door

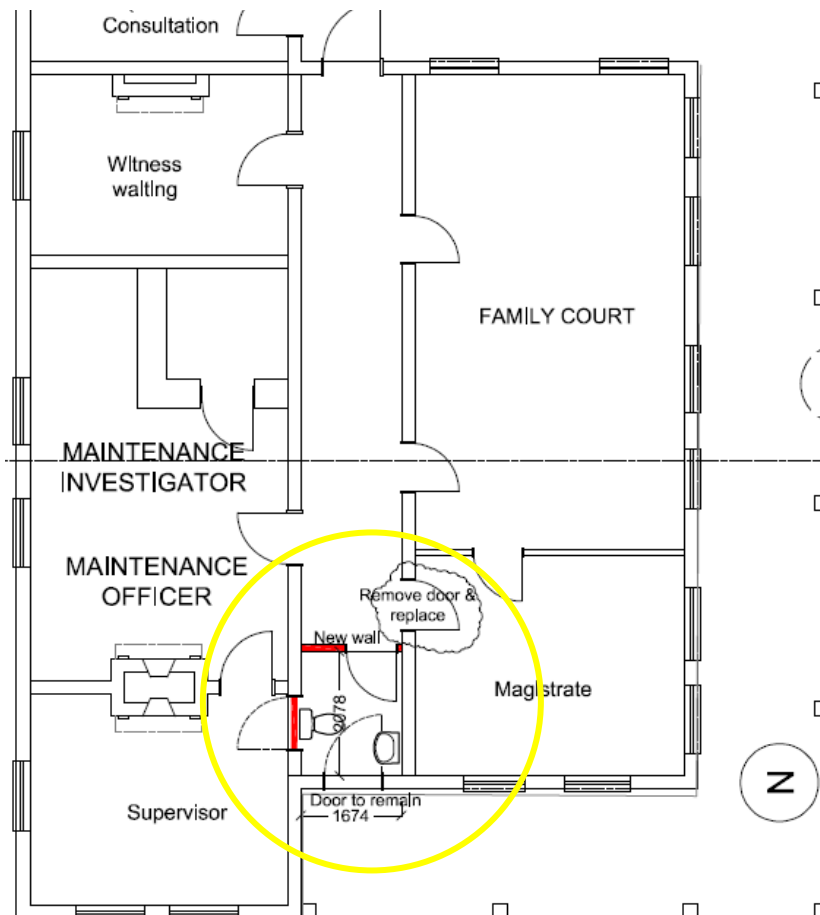


Image 24: Plan illustrating position of new proposed toilet – Family Court

All air-conditioning units and visible pipework will be removed and reinstalled in a central plant. Pipework will need to be hidden from sight as this is a horrible intrusion on the elevations of the building.



Image 25: Illustrating the harsh effect of the air-conditioning units on the elevation.

EXISTING BIG COURT BUILDING



Image 26: Main Entrance



Image 27: Side Entrance

Investigation and Observations

This building was built in 1942, as seen on the main entrance above the door. According to drawings obtained from the National Department of Public Works, some additions and alterations were done in 1978 and again in 2002. This included the adding of a new Courtroom (at the Eastern side of the site) and the cell block in one of the courtyards.

The cell block will be demolished as it adds no significant value to the building and will not be used when the new building is complete. At the moment, the cell block is enclosed with palisade fencing and is easily accessible.



Image 28: Cell Block

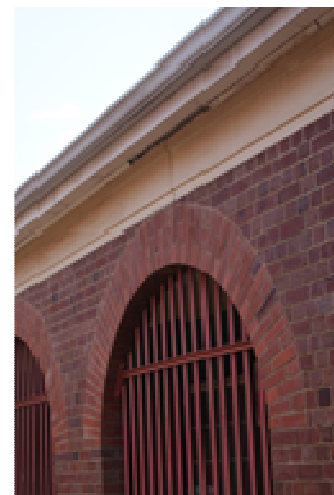


Image 29: Palisade fencing

The building is in a very good condition and only minor maintenance will need to be done. Cleaning of gutters, sanding down of doors and timber floors and replacing of some ironmongery is needed. The public toilet facilities are in a very bad state and will need to be refurbished.

Other maintenance items include the repair of ceilings and cornices; chipped and cracked tiles as well as damaged concrete channels and steps on the outside of the building.

Plans, Proposal and Motivation

The cell block will be demolished, as this was added only in 1978 and currently adds no significant value to the existing building. We would like to restore the courtyard to a space that can be utilised by the staff working at the Justice Complex.

Other minor works will be done on the interior. Dry walls will be added to create office spaces and to utilise the building in a more appropriate way to fit the Justice Complex needs.

Some of the Sandstone cladding on the main entrance façade has eroded to some degree and will need to be restored. There are also some floor vents at the Cash Hall that has completely disintegrated. Although the Cash Hall's timber floor has been replaced with a concrete floor (presumably in 2002 according to the drawings received) these floor vents will need to be replaced. The entrance currently used by prisoners arriving with the SAPS truck, was bricked up in 1978 to ensure that public and prisoners do not interact. We propose the opening of this entrance to connect with the proposed new Newcastle Justice Building (as mentioned in our proposal). A glass passage will connect the old and the new buildings by creating a link at this entrance.

The paraplegic ramp does not conform to the SANS0400 norms and will have to be adapted and modified (change the balustrading).

There are also some of the doors that will need to be replaced. Some offices were changed to store rooms with safe doors. Our aim is to change it back to offices and to add normal single leaf timber doors to these areas.

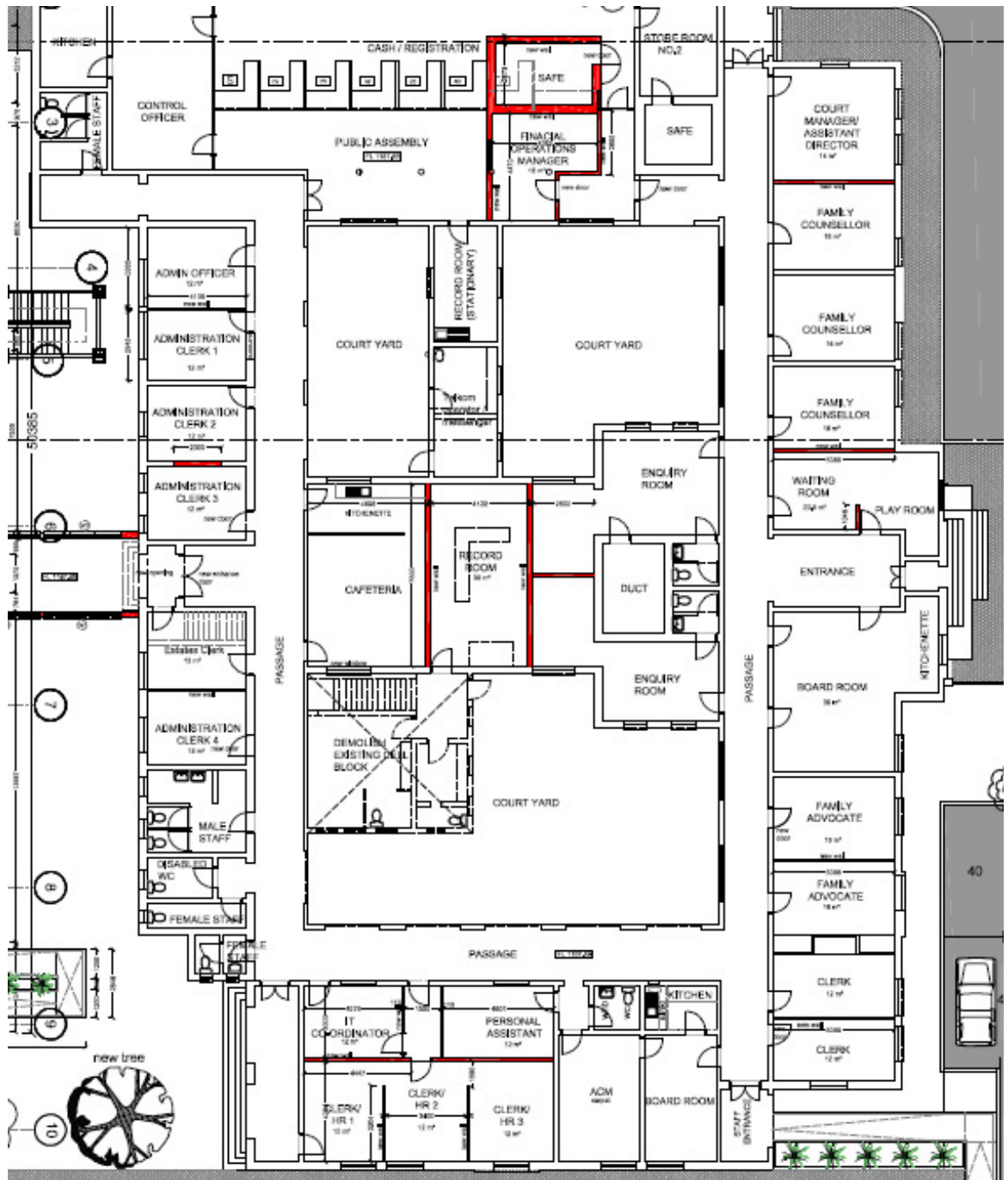


Image 30: All red hatched walls indicate new walls.



Image 31: Entrance to be reopened(interior)



Image 32: Entrance to be reopened (exterior)

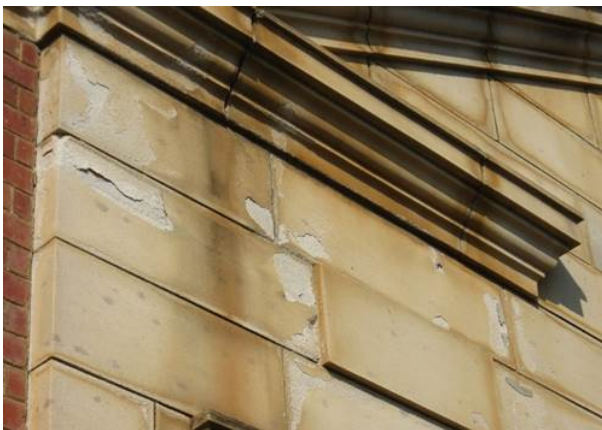


Image 33: Sandstone



Image 34: Damaged floor vent



Image 35: Paraplegic Ramp



Image 36: Door



Image 37: Damaged ceilings



Image 38: Location of the building

ARCHITECTURAL SPECIFICATIONS (full spec as per Annexure A):

FAMILY COURT BUILDING (Old Police Station)

Exterior:

1. Roof

The metal roof sheeting is still in a fairly good condition and will only need to be checked for loose fixings and sheets. Retain the existing roof sheeting as one cannot procure matching profile roof sheeting nowadays. Roof structure (including beams and purlins) to be checked for rot and damage. Roof sheeting to be sanded down to remove loose and flaking paint as well as mild rust.

Flashings to be replaced with galvanised steel sheet flashing according to manufacturer's specifications.

Repaint with "Plascon Nuroof, Acrylic Roof paint" – Specification 1. Colour to be matched on site.

2. Roof vent

Remove metal sheeting covering existing roof vent. Install flyscreen on the inside of the roof vent to prevent birds from nesting there. Remove badly damaged and weathered timber slats of the roof vent. All timber slats to be replaced with new timber slats (approved timber, e.g. Meranti), matching existing and primed and painted before installation.

Paint with "Plascon Velvaglo" – Specification 4.

Sand down steel roof vent to remove loose and flaking paint. Repaint with "Plascon Galvanised Iron Primer" – Specification 9 and finish with "Plascon Nuroof Acrylic Roof Paint" – Specification 1 to match roof sheeting colour.

3. Roof finial

The roof finial was found broken off and on the ground in front of the building. Remove all damaged and badly weathered timber from this structure. Replace all timber beams and posts with new approved timber elements. Prime and paint before installation and repaint after installation. Dimensions and details as per Architectural drawings.

Prime new wood with "Plascon Wood Primer" – Specification 8.

Paint with "Plascon Velvaglo" – Specification 4.

4. Chimneys

Sand down chimneys to remove loose and flaking paint. Repair plaster cracking, prepare and repaint with "Plascon Wall and All Suede Sheen" – Specification 2. Colour to be specified.

5. Verandah beams and purlins

All timber beams and purlins to be sanded down and repaint. Prime with “Plascon Wood Primer” – Specification 8 and repaint with “Plascon Enamel Walls & Trims” – Specification 6.

Damaged beams to be measured, removed and replaced with appropriate hardwood timber beams (preferably Meranti beams). New timber beams to be primed and painted before installation. Final coat of paint to be applied after installation.

Prime with “Plascon Wood Primer” – Specification 8.

Paint with “Plascon Enamel Walls & Trims” – Specification 6.

6. Fascias and Barge boards

All fascias and barge boards will need to be replaced. These will be modelled on site and replace with new timber fascias to match the existing profile.

All new timber fascias to be primed with “Plascon Wood Primer” – Specification 8 and then painted (on all sides) with a “Plascon Enamel Walls & Trims” – Specification 6, in white and be installed in position.

Final coat of paint to be applied after installation.

7. Gutters and downpipes

All gutters and downpipes to be replaced due to evidence of severe rust and weather damage. Steel gutters and downpipes to be primed and painted. Gutter & downpipe profile to be round to match existing. Clamps and brackets to be stainless steel and be painted with “Plascon Velvaglo” in White, NY1.

Prime with “Plascon Metalcare Mild Steel Primer”-Specification 13 and paint with “Plascon Enamel Walls & Trims” – Specification 6.

8. Sandstone cladding

Sandstone to be cleaned with ONLY water and a bristle brush (not a steel brush).

9. Window cills

Clean window cills with a bristle brush and water and remove loose and flaking paint. Window cills to be cleaned and restored to expose original sandstone finish.

10. Window frames

Windows on the Northern and Western facade to be removed and replaced. All new timber windows to match the profile of the existing windows.

Timber to be sanded down, primed and painted and installed in original position on site.

Windows to be primed with “Plascon Wood Primer” – Specification 8 and painted with “Plascon Velvagro” – Specification 4 in White, NY1 on the inside and outside.

11. Doors

All doors to be sanded down to remove loose and flaking paint.

Prime with “Plascon Wood Primer” – Specification 8.

Repaint with “Plascon Velvagro” – Specification 4.

12. Ironmongery

All doors to be fitted with (handles and locks) specified locks: Union 1448 Rim Lock & 5249PL Brass Knob to match original ironmongery. Some doors still have the existing locks and handles and this will need to be assessed on site to determine the condition. If the condition is of acceptable standard, these may then be serviced.

13. Walls

All disintegrated brickwork to be carefully removed and replace with matching bricks. Bricks to match in size and in colour. The dimensions are 220x110x75mm. All other walls should be washed down with ONLY water and a bristle brush to clean. Mortar mix to be: 1:1.5:8 (cement:lime:sand).

14. Floors (verandah)

Remove damaged screed on floor of the verandah. Take care not to damage column footings and place formwork in place. Concrete to be cast on site and the finish to be smooth. Red oxide to be mixed with the concrete mix to ensure the existing red colour remains. All expansion joints to be installed in the same position as the existing. Cure concrete and clean.

15. Steps

Steps to be recast along with the new verandah floor. All steps to be recast in the same position, with the same height as indicated on the drawings. Dimensions of the steps are on the drawings. Concrete mix to be 20 Mpa.

16. Mechanical Equipment (Air conditioning Units)

All mechanical equipment and piping to be removed from exterior walls. Holes and damaged bricks to be replaced with matching materials. All walls will need to be assessed on site once the equipment has been removed.

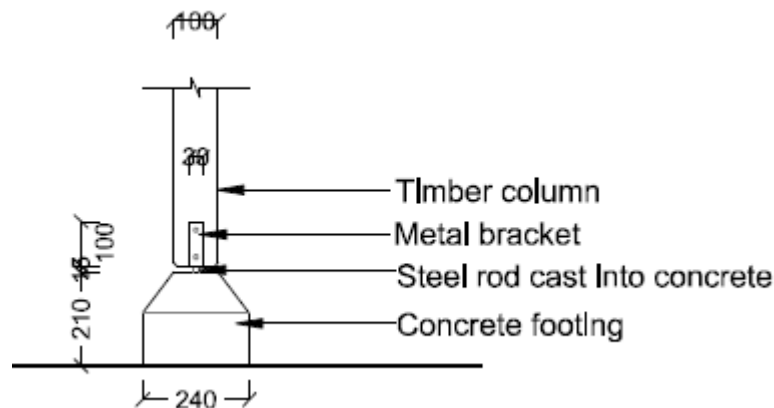
17. Columns

All timber columns to be replaced. The profile of the detail on the columns to be reproduced to match existing.

New timber columns to be primed with “Plascon Wood Primer” – Specification 8 and painted before installation with “Plascon Enamel Walls & Trims” – Specification 6. All dimensions on the Architectural drawings.

18. Column footings

Concrete footings to be replaced to match existing. It is evident that there is a water problem where the timber and concrete meet. See proposed detail to avoid water damage and to resolve this problem.



Detail 1: Illustrating column footing: Chamfer base of column @ 45° and attach timber column to concrete base with steel rod and metal bracket.

19. Floor vents

All floor vents on the verandah to be checked and cleaned. Prime with “Plascon Metalcare Mild Steel Primer”-Specification 13 and paint with “Plascon Enamel Walls & Trims” – Specification 6.

All floor vents in plinth walls to be serviced, cleaned and locked.

Interior:

20. Ceilings

Ceiling panels to be checked for water damage. Replace swollen or damaged ceiling panels with Gypsum Ceiling Boards. Sand down and clean and repaint with “Plascon Super Acrylic Polvin Walls & Ceilings”-Specification 5.

21. Cornices

Check cornices for damage. Replace cornice with matching Lafarge Gypsum Polyesterene moulding (profile to be determined) where needed.

Paint with “Plascon Super Acrylic Polvin Walls & Ceilings”-Specification 5.

22. Walls

Sand down walls to remove loose and flaking paint. Repair walls and repaint with "Plascon Double Velvet" – Specification 3.

23. Doors

All doors to be sanded down to remove loose and flaking paint. Repaint with "Plascon Velvagio" – Specification 4.

Remove door to Magistrates office as this door does not match any of other doors. Remove door no. 8 (whole door including the frame and top light) and install at Magistrates office. Brick up door no. 8's opening with a recess as indicated on the architectural drawings.

24. Ironmongery

All doors to be fitted with (handles and locks) specified locks: Union 1448 Rim Lock & 5249PL Brass Knob to match original ironmongery. Some doors still have the existing locks and handles and this will need to be assessed on site to determine the condition.

25. Coat hooks

Remove existing stainless steel coat hooks and replace with brass coat hooks to match existing.

26. Fire place

Restore the fire places timber mantle pieces to match photographs. Architectural drawings indicated dimensions and correct position. Mantle pieces to be sourced from the National Museum in Bloemfontein for possible matching elements.

27. Windows

Windows on the Northern and Western facade to be removed and replaced. All new timber windows to match the profile of the existing windows.

Timber to be sanded down, primed and painted and installed in original position on site. Prime windows with "Plascon Wood Primer"-Specification 8 and paint with "Plascon Enamel Doors & Trims"-Specification 8 in White, NY1 on the inside and outside.

28. Skirtings

Repair damaged skirtings (in Court room) with timber profile to match existing. Sand down, prime and repaint with "Plascon Enamel Doors & Trims"-Specification 8.

29. Floors

Floors need to be sanded down with a mechanical sander at a 45° angle to prevent timber floor planks from making deep grooves. Clean and wash floor after sanding and apply “Woodoc 20 Indoor Polyurethane Sealer”-Specification 11, as per manufacturer’s specifications.

30. Threshold

The threshold at the entrance door to the Court Room area is damaged. Repair by installing new pieces of timber floor planking and repairing the concrete step at the outside. Install a brass weatherbar strip at the connection between timber and concrete.

31. Electrical work

The existing building will need to be rewired as faulty plug points and oddly positioned light switches are a safety risk. All light switches will be moved to appropriate positions, at the entrance doors, and sufficient electrical plug points will be provided as per the Electrical Engineers design proposal.

32. Chubb safe (located in office number 7)

This is still the original safe and has been slightly modified with a new custom made handle. The aim is to source the missing parts and hopefully restore the safe to its original condition.

33. Loose furniture & Computer Servers

All loose furniture such as the computer server of the SAPS will need to be moved to the new allocated area for the SAPS.

34. Burglar Bars (windows)

Remove burglar bars at the windows in the court room. Clean and prime with “Plascon Metalcare Mild Steel Primer”-Specification 13 and repaint with “Plascon Enamel Walls & Trims” – Specification 6 in colour White. Reposition and fit to window frame.

EXISTING COURT BUILDING (1942)

Exterior:

1. Roof

Clean roof from any plant materials. Roof tiles to undergo inspection and determine if there are any damaged parts of the roof. Check for leaks and loose tiles.

2. Gutters & Downpipes

Clean all gutters and examine gutter brackets. Downpipes should be cleaned and wall brackets should be checked – refit if necessary.

3. Ceiling

Remove water damaged ceiling boards and replace with new Gypsum Ceiling boards. Paint with Plascon Polvin Walls & Ceilings, matt acrylic.

4. Cornice

Replace damaged cornice in passage with matching profile.

5. Walls

Clean walls by washing it down with water and a bristle brush. Sand down painted walls to remove loose and flaking paint. Repair cracked plaster work with polyfilla and clean. Paint walls with Plascon Double Velvet (or similarly approved) in colour specified by architect.

6. Sandstone Cladding

Main entrance façade: Wash Sandstone with water and bristle brush. Remove loose and flaking pieces and clean.

7. Windows

Sand down to clean and remove loose and flaking paint. Repaint with Plascon Velvaglo in colour, White.

8. Doors

All doors to be sanded down, cleaned and varnished. All cracked glass to be repaired / replaced.

9. Ironmongery

All doors to be fitted with (handles and locks) specified locks: Union 1448 Rim Lock & 5249PL Brass Knob to match original ironmongery. Some doors still have the existing locks and handles and this will need to be assessed on site to determine the condition.

10. Skirtings

Skirting tiles to be cleaned from loose and flaking paint. Repaint with Plascon Floor Paint (colour to be matched on site).

11. Tiles

Remove all existing tiles in the passages. Replace with new non-slip tile as specified by Architect.

12. Entrance from proposed new building

Re-open the entrance on the Northern side by removing the brick work. This will serve as the entrance from the proposed new building. Brickwork should be removed carefully not to damage lintels.

13. Courtyards

Clean concrete slabs in courtyards by removing any plant material. Repair any damaged or cracked concrete and storm water drains.

14. Paraplegic Ramp

The angle of the access ramp should be at 1:12. Repair damaged concrete work and smooth out expansion joints. Surface finish and handrail to comply with SANS10400:S.

Interior:

15. Ceilings & Cornices

Service ceilings and check for possible leaks or damaged ceiling boards and cornices. Paint with Plascon Polvin Walls & Ceilings, matt acrylic in white.

16. New dry wall construction

Ensure that new dry wall construction do not damage the existing timber floors where applicable. Walls to be painted with Plascon Double Velvet in colour, white.

17. Windows

Sand down to remove loose and flaking paint. Clean and apply new coat of paint in Plascon Velvaglo, white.

18. Doors

All doors to be sanded down, cleaned and varnished.

Remove "safe" doors as indicated and replace with doors to match rest of the offices in the building. "Safe" doors to be reused at docket rooms.

19. Ironmongery

All doors to be fitted with (handles and locks) specified locks: Union 1448 Rim Lock & 5249PL Brass Knob to match original ironmongery. Some doors still have

the existing locks and handles and this will need to be assessed on site to determine the condition.

20. Skirtings & Floors

Timber floors: Floors need to be sanded down with a mechanical sander at a 45° angle to prevent timber floor planks from making deep grooves. Clean and wash floor after sanding and apply varnish with a soft roller in the direction of the wood grain.

Tiled floors: Tiles to be cleaned. Replace and repair cracked or broken tiles.

ANNEXURE A:

Paint & Finishing Specifications:

Specification 1: Plascon Nuroof Cool

Surface Preparation:

- Surfaces must be clean, firm (sound) and thoroughly dry before painting.
- Remove any fungal growth or algae with household bleach (3, 5% solution of sodium hypochlorite) thinned 2 parts bleach to 1 part water by volume. Leave on surface for approximately 1 Hr and then scrub with a hard bristle brush to remove all dead growth. Rinse thoroughly with fresh water. Allow to dry. Repair leaks and defective flashing with **PLASCON ROOFSEAL MEMBRANE (WRM 1)**.
- **Unpainted and weathered:** Remove oil, grease, white rust or any other contaminants with **METALCARE GALVANISED IRON CLEANER (GIC 1)** to achieve a water break-free surface. Rinse thoroughly with fresh water.

Then prime with **METALCARE GALVANISED IRON PRIMER (GIP 1)**. Areas showing **red rust** must be abraded back to bright metal, patch primed with **PLASCOSAFE 18 PRIMER (EMS 18)** and then the whole surface primed with **METALCARE GALVANISED IRON PRIMER (GIP 1)**.

- **Previously painted and weathered:** Clean with high-pressure water jet to remove all loose paint, chalk and dirt.

Alternatively, clean with wire brushing, scraping, sanding, etc. and then scrub down with hard bristle brush and water. Treat any bare areas as mentioned above.

Application

- Stir thoroughly with a flat paddle.
- Apply by brush, roller or airless spray.
- To maximise the % **TSR** and hence the cooling effect of **NUROOF COOL (TRP 200 Range)** on dark coloured roofs apply one coat of **NUROOF COOL (TRP 62) white** as a base coat and thereafter two coats of **NUROOF COOL (TRP200 Range)** in the colour of your choice.
- For **non-porous surfaces**, such as galvanised iron, apply two coats to achieve a minimum dry film thickness of 35um per coat.
- For **extremely porous surfaces**, such as unpainted cement and well weathered tiles, apply undiluted **BONDING LIQUID (CVI 14)**. Allow to dry for at least 4 hrs before applying **NUROOF COOL (TRP 200 Range)**.

Overcoat before contamination of the surface can take place (within 48 hrs).

- Allow at least 2 hour drying time between coats.
- **N.B.** When painting corrugated sheet roofs, start at the apex and work downwards completing a full sheet at a time joining in the valleys to avoid lap marks.

Caution: Do not dilute NUROOF COOL (TRP 200 Range).

- Friable and powdery surfaces require special care before painting- if in doubt contact Plascon Advisory Service 0860 20 40 60
- For health reasons, avoid dusting when preparing fibre-cement surfaces. Keep surfaces wet and wash off residues with water.
- The painting of slate, clay, slurry tiles and wooden shingles is not recommended.
- Do not apply to surfaces where the temperature is less than 10 °C.
- Do not paint under conditions of frost, dew, rain or fog or inclement weather. Note: Painting under the above conditions may affect the performance of the paint film.
- To ensure that colours on a project are consistent, check that batch numbers are the same.
- The Plascon 12 year Quality guarantee is not applicable where NUROOF COOL (TRP 200 Range) is used on flat roofs.

(Source: Kansai Plascon (PTY) Limited, TECHNICAL DATA SHEET NO: PL-80-A)

Specification 2: Plascon Wall & All

Surface Preparation:

- Ensure that surfaces are dry, sound, and free from dust, dirt, grease and oil before painting.

NEW WORK

- **Cement plaster, concrete and unglazed brickwork:** Ensure that concrete has dried for at least four weeks and other masonry surfaces two weeks before painting. Remove any loose particles and laitance by most suitable means. Remove any oil, grease and mould release agents with **PLASCON AQUASOLV DEGREASER (GR 1)**. Rinse thoroughly. N.B. Soft, underbound, friable and highly porous surfaces must be restored to a sound condition with **PLASCON MULTI-SURFACE PRIMER (WUP 1)** or **PLASCON PLASTER PRIMER (UC 56)**.

- **Gypsum plaster (e.g. Rhinolite, Crestestone):** Apply one coat of **PLASCON PLASTER PRIMER (UC 56)**. If a gypsum plaster has been used as the joint skimming filler on gypsum board or dry wall partitioning, then these areas must be sealed with **PLASCON PLASTER PRIMER (UC 56)**.
- **PVC gutters and down pipes:** Clean and sand lightly. Prime with **PLASCON PLASTER PRIMER (UC 56)** or **PLASCON MULTI SURFACE PRIMER (WUP 1)**.

PREVIOUSLY PAINTED SURFACES

- **Previously painted surfaces in good condition:** Remove loose and flaking paint back to a sound substrate and a firm edge by scraping and sanding. Spot prime bare areas with appropriate primer. Clean with **POLYCELL SUGAR SOAP POWDER** solution to remove all contaminants and chalked material. Rinse with clean water to remove all traces of **SUGAR SOAP**. Alternatively, clean with high pressure water jet. Sand glossy enamel surfaces to a matt finish to aid adhesion.
- **Chalky surfaces:** Remove completely by scraping, wire brushing, sandpapering, etc. to expose the underlying substrate. Apply **PLASCON BONDING LIQUID (CVI 14)** or **PLASCON PLASTER PRIMER (UC 56)**
- **N.B. BONDING LIQUID** must be allowed to dry for 16 hrs and overcoated within 3 days after application.
- **Previously painted surfaces in poor condition:** Completely remove paint by most appropriate means or by stripping with **REMOVAL ALL PURPOSE COATINGS REMOVER (RRA 220)**. Treat as for new work.
- **FILLING:** Fill defects with **POLYCELL POLYFILLA MENDALL 90**, **POLYFILLA INTERIOR** or **EXTERIOR** as appropriate. Seal **POLYFILLA EXTERIOR** with **PLASCON PLASTER PRIMER (UC 56)**. Fill wood with **POLYCELL POLYFILLA MENDALL 90** and seal with **PLASCON PLASTER PRIMER (UC 56)**.

Application

- Apply two or three coats to correctly primed surfaces to achieve complete obliteration.
- Apply at recommended spreading rate.

Cautions

- **N.B.** When applying tinted/standard colours to new masonry surfaces, prime first with the recommended primer. White may be applied directly.
- Metal surfaces must be primed as recommended.
- Avoid painting during inclement weather or if temperature is below 10 °C.
- To ensure that colours on a project are consistent check that batch numbers are the same.

(Source: Kansai Plascon (PTY) Limited, TECHNICAL DATA SHEET NOPL-16-A)

Specification 3: Plascon Double Velvet

Surface Preparation

- Ensure that surfaces are dry, sound, and free from dust, dirt, grease and oil before painting.

NEW WORK

- **Cement plaster, concrete, unglazed brickwork, fibre-cement, ceiling boards:** Remove any loose particles and laitance by most suitable means. Prime with **PLASCON PROFESSIONAL WATERBASED PLASTER PRIMER (PWP 750)** or **PLASCON MULTI-SURFACE PRIMER (WUP 1)** or **PLASCON PLASTER PRIMER (UC56)**.
- **N.B.** Soft, underbound, friable and highly porous surfaces must be restored to a sound condition with **PLASCON PLASTER PRIMER (UC 56)** before painting.
- **Gypsum plaster, gypsum board, hardboard** prime with **PLASCON PLASTER PRIMER (UC 56)**. If a gypsum plaster has been used as the joint skimming filler on gypsum board or dry wall partitioning, then these areas must be sealed with **PLASCON PLASTER PRIMER (UC 56)**.

PREVIOUSLY PAINTED SURFACES

- **Previously painted surfaces in sound condition:** Remove loose and flaking paint back to a sound substrate and a firm edge by scraping and sanding. Spot prime bare areas with appropriate primer. Clean with **POLYCELL SUGAR SOAP POWDER** solution to remove all contaminants. Rinse with clean water to remove all traces of SUGAR SOAP. Sand glossy enamel surfaces thoroughly to an even matt finish, dust off and apply one coat of **PLASCON UNIVERSAL UNDERCOAT (UC 1)**.
- **Previously painted surfaces in poor condition:** Completely remove paint by most appropriate means e.g. scraping, coarse sanding or stripping with **REMOVAL ALL PURPOSE COATING REMOVER (RRA 220)**. Wash thoroughly with **POLYCELL SUGAR SOAP POWDER** solution. Rinse with fresh water. Proceed as for new work.
- **Chalky surfaces:** Remove as much of the chalky surface as possible. Seal with **PLASCON BONDING LIQUID (CVI 14)** and allow to dry for 16 hrs.

Filling

- Fill defects with **POLYCELL POLYFILLA MENDALL 90** or **POLYCELL POLYFILLA INTERIOR**. Fill wood and fibrecement with **POLYCELL POLYFILLA MENDALL 90** and seal with **PLASCON PLASTER PRIMER (UC 56)**.

Application

- Apply two (three coats for some low hiding colours) to prepared surfaces so as to achieve complete obliteration.

- For airless spraying thinning is not required.

Cautions

- Avoid painting during inclement weather or if temperature is below 10 °C.
- To ensure that colours on a project are consistent check that batch numbers are the same.

(Source: Kansai Plascon (PTY) Limited, TECHNICAL DATA SHEET: PL-1-D)

Specification 4: Plascon Velvagro

Surface Preparation

- Ensure that surfaces are dry, sound, and free from dust, dirt, grease and oil before painting.

NEW WORK

- **Cement plaster, concrete, fibre-cement, unglazed brick, Gypsum plaster (e.g. Rhinolite, Cretestone):** Prime with **PLASCON PLASTER PRIMER (UC 56)** or **PLASCON MULTI SURFACE PRIMER (WUP 1)** in order to obtain an unbroken barrier coat to seal alkaline surfaces properly.
- **Wood:** Seal knots with **PLASCON WOODCARE KNOT SEAL (PK 2)**. Then prime with **PLASCON WOOD PRIMER (UC 2)**. N.B. **WOOD PRIMER** may be omitted for interior surfaces.
- **Hardboard:** Prime with **PLASCON PLASTER PRIMER (UC 56)**.

PREVIOUSLY PAINTED SURFACES

- Previously painted surfaces in good condition: Remove loose and flaking paint back to a sound substrate and a firm edge by scraping and sanding. Spot prime bare areas with appropriate primer. Clean with **POLYCELL SUGAR SOAP POWDER** solution to remove all contaminants. Rinse with clean water to remove all traces of **SUGAR SOAP**. Sand glossy enamel surfaces thoroughly to an even matt finish, dust off and apply one coat of **PLASCON UNIVERSAL UNDERCOAT (UC 1)**.
- Previously painted surfaces in poor condition: Completely remove paint by most appropriate means e.g. scraping, coarse sanding or stripping with **REMOVAL ALL PURPOSE COATING REMOVER (RRA 220)**. Wash thoroughly with **POLYCELL SUGAR SOAP POWDER** solution. Rinse with fresh water. Proceed as for new work.
- Chalky surfaces: Remove as much of the chalky surface as possible. Seal with **PLASCON BONDING LIQUID (CVI 14)** and allow to dry for 16 hrs

FILLING

- Fill defects with **POLYCELL POLYFILLA MENDALL 90, POLYFILLA INTERIOR or POLYFILLA EXTERIOR** as appropriate. Seal **POLYFILLA EXTERIOR** with **PLASCON PLASTER PRIMER (UC 56)**. Fill wood with **POLYCELL POLYFILLA MENDALL 90** and seal with **PLASCON PLASTER PRIMER (UC 56)**.

Application

- VELVAGLO is ready for use and is best applied by brush or mohair roller.
- Apply generous full coats so that brush marks flow out to a smooth even coat.
- Complete cutting in first, using a two coat application by brush or roller, then proceed painting the entire surface.
- Apply one or more coats to achieve complete obliteration.
- For spray application thin as recommended.

Cautions

- Stirring will break down the thixotropic gel structure and impair the non-drip properties, however gel will redevelop after approximately 8 hours.
- When thinned for spraying, the gel will not recover completely.
- Use only mohair rollers.
- VELVAGLO chalks if applied to surfaces that are exposed to direct sunlight
- To ensure that colours on a project are consistent check that batch numbers are the same.
- The 7 Year guarantee will only apply when VELVAGLO is used on interior surfaces.

(Source: Kansai Plascon (PTY) Limited, TECHNICAL DATA SHEET: PL-17)

Specification 5: Plascon Super Acrylic Polvin Walls & Ceilings

Surface Preparation

- Ensure that surfaces are dry, sound and free from dust, dirt, grease and oil before painting.

NEW WORK:

- **Cement plaster, concrete, gypsum plaster (e.g. Rhinolite, Crestone), gypsum board, e.g. Rhinoboard), and unglazed brick:** Remove any loose particles and laitance by most suitable means and paint directly. If a gypsum plaster has been used as the joint skimming filler on gypsum board or dry wall partitioning, then these areas must be sealed with **PLASCON PLASTER PRIMER (UC 56)**. N.B. Soft,

underbound, friable and highly porous surfaces must be restored to a sound condition with **PLASCON PLASTER PRIMER (UC56)**.

PREVIOUSLY PAINTED SURFACES:

- **Previously painted surfaces in good condition:** Remove loose and flaking paint back to a sound substrate and a firm edge by scraping and sanding. Spot prime bare areas with appropriate primer. Clean with **POLYCELL SUGAR SOAP POWDER** solution to remove all contaminants and chalked material. Rinse well with clean water to remove all traces of **SUGAR SOAP**. Alternatively, clean with high pressure water jet. Sand glossy enamel surfaces to a matt finish and apply a coat of **PLASCON UNIVERSAL UNDERCOAT (UC 1)**.
- **Previously painted surfaces in poor condition:** Completely remove paint by most appropriate means e.g. scraping, coarse sanding or stripping with **REMOVAL ALL PURPOSE COATINGS REMOVER (RRA 220)** Proceed as for new work.

FILLING:

- Fill defects with the appropriate **POLYCELL POLYFILLA**. Fill wood and fibre-cement with **POLYCELL MENDALL 90**.

Application

- **POLVIN WALLS & CEILINGS (EPL 30)** is ready for use with brush or roller application.
- Apply one or more coats to achieve complete obliteration.

Cautions

- Not recommended for areas where chemical resistance is required.
- To ensure that colours on a project are consistent check that batch numbers are the same.

(Source: Kansai Plascon (PTY) Limited, TECHNICAL DATA SHEET NO: P-55-A)

Specification 6: Plascon Enamel Walls & Trims

Surface Preparation

- Ensure that surfaces are dry, sound and free from dust, dirt, grease and oil before painting.

NEW WORK

- **Cement plaster, concrete, gypsum plaster (e.g. Rhinolite, Cretestone), gypsum board, e.g. Rhinoboard), and unglazed brick:** Remove any loose particles and

laitance by most suitable means and paint directly. If a gypsum plaster has been used as the joint skimming filler on gypsum board or dry wall partitioning, then these areas must be sealed with **PLASCON PLASTER PRIMER (UC 56)**. N.B. Soft, underbound, friable and highly porous surfaces must be restored to a sound condition with **PLASCON PLASTER PRIMER (UC56)**.

- **Wood:** Sand smooth and dust off. Seal knots with **KNOT SEAL (PK 2)**, then prime with **PLASCON WOOD PRIMER (UC 2)**
- **Mild steel:** Remove rust. Degrease with **AQUASOLV DEGREASER (GR 1)** and rinse thoroughly with water. Prime with **PLASCON METAL PRIMER (UC 501)**. Use **ZINC PHOSPHATE PRIMER RED OXIDE (UC 207)** for structural steelwork.
- **Galvanised steel:** Clean with **GALVANISED IRON CLEANER (GIC 1)** and rinse thoroughly with water to achieve a water break-free surface. Prime with **PLASCON GALVANISED IRON PRIMER (GIP 1)**.

PREVIOUSLY PAINTED SURFACES

- **Previously painted surfaces in good condition:** Remove loose and flaking paint back to a sound substrate and a firm edge by scraping and sanding. Spotprime bare areas with appropriate primer. Clean with **POLYCELL SUGAR SOAP POWDER** solution to remove all contaminants and chalked material. Rinse well with clean water to remove all traces of **SUGAR SOAP**. Alternatively, clean with high pressure water jet. Sand glossy enamel surfaces to a matt finish and apply a coat of **PLASCON UNIVERSAL UNDERCOAT (UC 1)**
- **Previously painted surfaces in poor condition:** Completely remove paint by most appropriate means e.g. scraping, coarse sanding or stripping with **REMOVAL ALL PURPOSE COATINGS REMOVER (RRA 220)**. Proceed as for new work.

FILLING:

- Fill defects with the appropriate **POLYCELL POLYFILLA**. Fill wood and fibre-cement with **POLYCELL MENDALL 90**.

Application

- **ENAMEL DOORS & TRIMS (NY 1/G)** is ready for use with brush or roller application.
- For spray application thin as recommended
- Apply one or more coats to achieve complete obliteration.

Cautions

- Not recommended for areas where chemical resistance is required.
- Heavy applications (exceeding 35 µm DFT) should be avoided to prevent wrinkling.
- To ensure that colours on a project are consistent check that batch numbers are the same.

(Source: Kansai Plascon (PTY) Limited, TECHNICAL DATA SHEET NO: P-53-A)

Specification 7: Plascon Stoep Enamel

Surface Preparation

- All concrete and cement floors must be protected by suitable damp coursing and must be well cured. Allow new concrete to cure for at least 4 weeks before painting. Surfaces must be clean and dry (less than 5 % moisture) before painting)

NEW WORK

- Remove all traces of polish, grease, oil, bitumen, adhesive and other contaminants using **AQUASOLV DEGREASER (GR 1)** followed by clean water rinses to remove traces of degreaser. A water break-free surface must be obtained. Allow to dry.
- Wood floated floors: Remove any high points by grinding with a carborundum block and dust thoroughly by vacuum cleaning.
- Steel floated floors: Roughen smooth areas and remove any laitance, cement spillage and high points by carborundum grinding or abrasive blasting (using non-metallic abrasives). Vacuum clean to remove all dust.

PREVIOUSLY PAINTED SURFACES

- **Previously painted surfaces in good condition:** Remove any loose and flaking paint back to a firm edge and feather edges as required. Remove any polish, grease, oil and other contaminants with **AQUASOLV DEGREASER (GR 1)**. Rinse thoroughly with clean water. Sand old paint to a matt surface to provide a key. Dust off.
- **Previously painted surfaces in poor condition:** Strip completely by most suitable means and treat as for New Surfaces.

Application

- Thin first coat as recommended to aid penetration. Apply by brush or roller.
- For spray application thin as recommended
- Apply a second coat unthinned to achieve complete obliteration.
- A good quality clear polish can be applied after the enamel has dried thoroughly.

Cautions

- **STOEP ENAMEL** cannot be applied to new uncured concrete or newly plastered or rendered floors. Surfaces must be cured properly and thoroughly dry.
- The moisture content of the substrate should be less than 5% when measured on a Doser Hygrometer BD4 scale or equivalent instrument.
- The coating can be affected adversely if damp course is not in place.

- To ensure that colours on a project are consistent check that batch numbers are the same.

(Source: Kansai Plascon (PTY) Limited, TECHNICAL DATA SHEET NO: PL-78-B)

Specification 8: Plascon Wood Primer

Surface Preparation

- Clean surfaces with **REMOVALL SIMPLE WASH (RWS 80)** to remove dirt, mildew and other contaminants.
- All nail heads must be spot primed with **METALCARE METAL PRIMER (UC 501)** prior to priming the wood to prevent corrosion and staining.
- Repair damaged wood with **POLYCELL WOODFILLER**.
- **New wood:** Sand wood in the direction of the grain to a smooth finish, Dust off thoroughly. Seal knots with **WOODCARE KNOT SEAL (PK 2)**. Apply primer and allow to dry.
- **Previously painted wood in poor condition:** Remove old paint/varnish with **REMOVALL COATING REMOVER FOR WOOD (RWI 220)** or by scraping and sanding. Prepare as for new wood.
- **Grey weathered wood:** Restore grey weathered wood by using **REMOVALL WEATHERED WOOD RESTORER (RWW 20)**. Rinse, allow to dry and prime.
- **Oiled wood:** Sand surface in the direction of the grain back to the original wood, dust off and prime.

Application

- Ready for use by brush or roller.
- Apply a full even coat.

Caution

- Not recommended for surfaces other than wood.
- To prevent moisture penetration, ensure that the end grains of the timber are adequately primed.
- Do not apply on previously painted/varnished wood in good condition
- Must be overcoated within 4 days when used outside to avoid intercoat adhesion problems.

(Source: Kansai Plascon (PTY) Limited, TECHNICAL DATA SHEET NO: PL-49-A)

Specification 9: Plascon Metalcare Galvanised Iron Primer

Surface Preparation

- Ensure that surfaces are dry, sound and free from dust, dirt, grease and oil before painting.

NEW GALVANISED STEEL:

- Remove all traces of temporary protective coating, dirt, grease, etc. from the surface using **METALCARE GALVANISED IRON CLEANER (GIC 1)**. Remove all traces of the cleaner by rinsing with fresh water. Check surface for water break-free condition (i.e. water completely wets the surface without crawling back into droplets). If necessary, repeat the cleaning process until this condition is obtained. Allow surface to dry and apply **METALCARE GALVANISED IRON PRIMER (GIP 1)** the same day.

PREVIOUSLY PAINTED AND WEATHERED SURFACES:

- Clean bare metal areas as in point 1 above. Remove loose and flaking paint and rust. Red and white rusted areas should be abraded back to bare metal and cleaned as for new work above. Spot prime areas where red rust has been removed with **METALCARE ETCH PRIMER (SNK 100 & 200)** or **METALCARE METAL WB PRIMER (MWP 1)**.

Application

- Apply a full coat by brush, roller or airless spray.
- Allow to dry as per drying times.

Cautions

- **DO NOT** mix with any other paint, including other galvanised iron primers.
- Do not overcoat with two-pack polyurethanes, epoxies and cellulose nitrate paints.
- Observe Overcoating times. Must be coated within 48 hours after preparation.
- Avoid painting during inclement weather or if temperature is below 10 °C.

(Source: Kansai Plascon (PTY) Limited, TECHNICAL DATA SHEET NO: PL-21-C)

Specification 10: Plascon Woodcare Floor Varnish

Surface Preparation

- All surfaces must be dry, clean and free from dust, oil, grease, grime, dirt or any other contaminants.

NEW OR BARE WOOD

- **Floors:** Sand with mechanical floor sander to remove all wax build up until a water break free surface is formed, finishing with fine grade sand paper. Work in direction of the grain. Remove dust with vacuum.
- **Other woodwork:** Sand with 150 grit sandpaper, working in the direction of the grain. Dust off. If required stain wood with **WOOD STAIN (W)** before applying **FLOOR VARNISH**.

PREVIOUSLY VARNISHED SURFACES

- Sand with a mechanical sander to remove all wax built up below the varnish until a water break free surface is formed, finishing with fine grade sandpaper.
- **Floors:** Remove old finishes completely by mechanical floor sander and treat as for new or bare wood. Alternatively, strip old finishes completely with **REMOVAL COATING REMOVER FOR WOOD (RWI 220)**. Wash with **REMOVAL SIMPLE WASH (RWS 80)** followed by clean water rinses. Allow to dry, sand smooth and dust off.

Other woodwork:

- **Existing varnish in good condition:** Clean with **POLYCELL SUGAR SOAP POWDER** and rinse off with clean water. Sand with 220 grit sandpaper to an even matt finish to provide a key. Dust off.
- **Existing varnish in poor condition:** Strip completely with **REMOVAL COATING REMOVER FOR WOOD (RWI 220)**. Rinse thoroughly with clean water, allow to dry, sand smooth and dust off.

Application

- Ready for use by brush, roller
- Apply 3 coats to new wood for a superior finish.
- Apply uniformly and avoid air bubbles.
- Sand lightly between coats with 400 grit sandpaper to improve adhesion and to denib. Dust off.

Caution

- **NB: WOODCARE FLOOR VARNISH (PFV 1 & 2) is not suitable for parquet floors.**
- **Floors:** Allow 12 hours drying before restricted use and 24 hours before full use of the floor.

(Source: Kansai Plascon (PTY) Limited, TECHNICAL DATA SHEET NO: PL-20-B)

Specification 11: Woodoc 20 Wood Sealer

Typical Application:

- Apply Woodoc 20 to interior woodwork such as skirting boards, banisters, bar- and kitchen counters, doors and window frames where an extra hard, grain-filled surface with superior heat and stain resistance is required. Only for interior use.

Product Features:

- Woodoc 20 is a clear, polyurethane sealer that gives a smooth, gloss finish that is heat-, stain-, water- and alcohol-resistant.
- Easy to apply.
- Penetrates wood, binds with it and lends a flexible yet strong and resistant surface finish.
- Suitable for all types of wood.
- Non-toxic once dry.
- Does not affect glue.
- Complete how-to-use instructions on label.

Coverage:

- First coat 10-12 m²/litre. Subsequent coats 12-14 m²/litre. 3 coats (average) 3,3 m²/litre.

Application:

- Preferably by brush. Clean brush mineral turpentine.

Dilution:

- Dilution is not recommended, but should dilution be necessary, use only mineral turpentine.

Drying Time:

- Drying will vary, depending on moisture and atmospheric conditions.

Product Properties:

- Clear, lead-free, indoor wood sealer.
- Formaldehyde-Free

Compatibility:

- Mineral Turpentine.
- Non-Compatibility: Acetone, Lacquer Thinners, Benzene and other solvents.

(Source: Woodoc 20 Specification Sheet, No: WD20/004)

Specification 12: Plascon Multi-Surface Primer**Surface Preparation**

- Ensure that surfaces are dry, sound and free from dust, dirt, grease and oil before painting.

GALVANISED IRON:

- **New Galvanised iron:** Clean with **METALCARE GALVANISED IRON CLEANER (GIC 1)** to obtain a water break-free surface. Rinse and allow to dry. Sand lightly to provide a key for subsequent coats of paint.
- **Weathered galvanised iron:** Remove oil and grease by using **AQUASOLV DEGREASER (GR 1)** followed by clean water rinses. Remove rust by coarse sanding, wire brushing etc. back to clean bright metal. Clean surface area using **METALCARE GALVANISED IRON CLEANER (GIC 1)** and rinse thoroughly to obtain a water break-free surface.

PLASTER/FIBRE CEMENT/CEMENT BRICKS:

- Remove oil, grease and dirt with **POLYCELL SUGAR SOAP POWDER** solution, rinse well and allow to dry.
- Remove loose friable material by wire brushing. Rinse with clean water and allow to dry.

WOOD

- Fill defects with **POLYCELL MENDALL 90**. Seal knots with **WOODCARE KNOT SEAL (PK 2)** Sand lightly and dust off.

MILD STEEL/PVC/ALUMINIUM:

- Remove oil, grease and any other contaminants with **AQUASOLV DEGREASER (GR 1)**. Rinse thoroughly with clean water and allow to dry. Remove any rust or peeling paint with the appropriate **REMOVAL COATING/RUST REMOVER** product or by sanding or wire brushing. Rinse thoroughly with clean water and allow to dry.

SURFACES PREVIOUSLY PAINTED WITH ENAMELS AND OTHER GLOSSY FINISHES:

- Remove mould with bleach and rinse well. Remove grease and oil with **POLYCELL SUGAR SOAP** solution, particularly around stoves and other food preparation areas. Sand glossy areas to a matt finish. Fill all defects with the appropriate **POLYCELL POLYFILLA** product.

Application

- Apply by brush or roller. It can be sprayed using airless spraying equipment without thinning. However, if dilution is necessary, use a minimum amount of WATER only.

Cautions

- Not suitable for use on Rhinolite.
- Two-pack polyurethanes, epoxies and nitro-cellulose lacquers are not recommended for overcoating.
- Ensure that surface preparation recommendations are adhered to.
- Observe overcoating times.
- Avoid painting during inclement weather or if temperature is below 10 °C.

(Source: Kansai Plascon (PTY) Limited, TECHNICAL DATA SHEET NO: PL-48-C)

Specification 13: Plascon Metalcare Mild Steel Primer**Surface Preparation**

- All mild steel surfaces must be clean, dry and sound.

UNCOATED MILD STEEL

- Remove oil, grease and dirt and any other contaminants with **METALCARE AQUASOLV DEGREASER (GR 1)**. Rinse thoroughly with clean water. Remove all rust by coarse sanding, mechanical grinding, wire brushing, etc. Alternatively prepare steel by wire brushing to Grade ST 3 of ISO 8501-1;1988

PREVIOUSLY PAINTED MILD STEEL

- Remove rust or peeling paint with the appropriate **PLASCON REMOVAL COATING/RUST REMOVER** product or by wire brushing and sanding. Rinse thoroughly with clean water, repeat if necessary. Allow to dry.

Application

- Apply by brush, roller or spray.
- Ensure that a minimum dry film thickness of 25 µm is achieved. Peaks on abrasive blasted surfaces must also be covered by a minimum of 25 µm - apply more than one coat if necessary.

Caution

- Not recommended for galvanised steel.
- Avoid excessively thick coats which will retard through drying.

- **Must be overcoated within 48 hours @ 23 °C to avoid onset of corrosion.**

(Source: Kansai Plascon (PTY) Limited, TECHNICAL DATA SHEET NO: PL-31-A)