

SPECIFICATION SHEET
NO:

PSA
200

DESCRIPTION:

VINYL IN HYGIENE
CRITICAL AREAS

DATE: SEPT
2021

ARCHITECTURAL SPECIFICATION / BOQ

In areas with a high risk of hospital-acquired infections—such as operating theatres, medical laboratories, and cleanrooms—floors must meet the highest hygiene standards to ensure infection control and air cleanliness.

Accurate, effective, and needs-based specification is critical to the success of any building project. To maintain a clean appearance, our floors provide sealed surfaces and fewer joints, and are resistant to most stains and chemicals.

ESD ranges prevent electrostatic discharges, so that the risk of equipment malfunction or discomfort during surgeries is drastically reduced. *Individual product specification documents are available.*

>>Static Dissipative (SD)

These products when tested to EN14041 should record a resistance to earth that shall not exceed 1×10^9 ohms.

>>Electrostatic Conductive (EC)

These products when tested to the test methods identified in our literature have a resistance to earth of $\leq 10^6$ ohms. (When tested in accordance with EN 1081 at minimum 100v.)

When selecting a floor for these critical environments make sure you consider the following requirements

- Infection control, safety, and hygiene,
- Low airborne particulate contamination,
- Resistant to stains, chemicals, and disinfectant,
- Electrostatic control, Resistant to heavy loads,
- Biophilic design capability & functionality,
- Maintenance & economic benefits,
- Sustainable development, recyclability & carbon footprint impact

SPECIFICATION:

Minimum maintenance ranges:

Supply and install 2.00mm x 2.00m PUR homogeneous monolayer vinyl sheeting with PUR polyurethane reinforcement cross linked and UV cured surface treatment, manufactured in accordance with ISO 10581 (EN 649) and installed with Polyflor recommended adhesive which has been spread using an A2 notched trowel on a previously prepared Class 1 subfloor in accordance with SANS 10070, using a Polyflor recommended self-leveller and moisture barrier when required, including all cutting and waste, rolling the installed sheeting in both directions with a 68kg three-sectional roller immediately after it has been laid into the adhesive, joints must be butted, U-shape grooved and heat welded using Polyflor's matching welding rod ensuring that the welding rod bonds to more than 2/3rds of the sheet in thickness.

Colour:

Code:

Welding Rod:

SPECIALIST FLOORING & WALL PROTECTION PARTNER

Tel: 011 609 3500 | Email: marketing@polyflor.co.za | www.polyflor.co.za
Poly Sales House, 8B Buwbes Road North, Sebenza, 1609, South Africa. PO Box 3967, Edenvale, 1610, South Africa

Poly Sales Africa (Pty) Ltd. trading as Polyflor South Africa. Company Registration 2004/012256/07
Directors: DL Coleman, S Coleman, P du Plessis, T Coleman, A Mc Lardy

MAINTENANCE:

General Guidelines:

PUR vinyl sheeting and tiles feature a cross-linked high-quality polyurethane reinforcement. *The floor should never be stripped and sealed. For ease of maintenance in operating theatres, it is recommended to apply 2-3 layers sacrificial layers of Proflor HM sealer.*

Never use a Black Pad on a PUR floor.

NOTES: We highly recommend an effective barrier/entrance matting system to reduce the dirt tracked into the building.

Post Installation & Periodic Cleaning

Step 1:

- All dust, sand and stones must be removed prior to scrubbing. This can be done with either a vacuum cleaner or by sweeping with disposable cloths such **Masslinn®**.
- Scrub the floor using a solution of a neutral detergent such as **Proclean** diluted according to manufacturer's instructions, with a **Low-Speed Scrubber** fitted with a **3M Blue Cleaner Pad**. For detail work, use an edge cleaning tool with blue pad.

Step 2:

- Vacuum the dirty **Proclean** solution from the floor with a **Wet & Dry Vacuum Cleaner**. The floor should be thoroughly rinsed with clean water to remove any remaining chemical residue.
- If no machine is available, remove the solution from the floor using a mop and mopping system. The water and mop must be changed frequently to remove as much chemical residue as possible from the floor.

Recommended Products:

Vileda Microfibre Flat Mopping Unit

Nilfisk Low Speed Scrubber & 3M Blue Cleaner Pad

Nilfisk VL500 Wet & Dry

Vacuum Cleaner

Masslinn Tool & Masslinn Cloths

Proclean Neutral Detergent

Daily Maintenance:

1. Dust sweep with a disposable cloth system such as **Masslinn® Tool** and **Masslinn® Cloths**.
2. Spot mop wet sticky dirt with a double/single bucket mopping unit with the correct dilution of neutral detergent such as **Proclean**. For optimal results, make sure that the rinsing water is changed regularly.
3. For larger areas, wash the floor using a **Nilfisk Automatic Scrubber-Drier**, **3M Red Buffing Pad** and low foam neutral detergent such as **Proslip**.

***The Green Eco Brilliance Diamond Pad polishes the floor using billions of microscopic diamonds, thereby creating a sheen.**

Periodic Cleaning:

The floor may require periodic scrubbing in high traffic areas. In such cases, follow the Post Installation and Periodic Cleaning guidelines.

Cleaning of Equipment:

1. All equipment should be cleaned thoroughly after use.
2. Pads should be rinsed or vacuumed depending on soiling.
3. Single disc machines must be wiped with a damp cloth and disinfectant if needed.

Strip & seal ranges:

Supply and install 2.00mm x 2.00m PU homogeneous monolayer vinyl sheeting with sacrificial PU surface treatment, manufactured in accordance with ISO 10581 (EN 649) and installed with Polyflor recommended adhesive which has been spread using an A2 notched trowel on a previously prepared Class 1 subfloor in accordance with SANS 10070, using a Polyflor recommended self-leveller and moisture barrier when required, including all cutting and waste, rolling the installed sheeting in both directions with a 68kg three-sectional roller immediately after it has been laid into the adhesive, joints must be butted, U-shape grooved and heat welded using Polyflor's matching welding rod ensuring that the welding rod bonds to more than 2/3rds of the sheet in thickness.

Colour:

Code:

Welding Rod:

MAINTENANCE:

NOTE: NEVER USE A BLACK PAD TO SCRUB A PU COATED FLOOR AFTER IT HAS BEEN STRIPPED & SEALED

1. Post Installation

- All loose dirt such as dust, grit, sand etc. must be removed, preferably by vacuuming the floor.
- The floor should then be cleaned using a neutral detergent, diluted as per the manufacturer's instructions, machine scrubbed and dirty cleaning solution wet vacuumed off the floor. (If a wet vacuum is not available, a mop and wringer system can be used).
- Adhesive can be removed with an appropriate solvent such as Polyflor **Powerclean** if necessary. As a principle, aggressive solvents should be avoided as these may affect the flooring, leaving dull spots). More powerful detergents such as **Pro-inox** from **Nilfisk** can be used to remove persistent soiling which is not removed by the initial clean.
- The floor should then be rinsed with clean water and wet vacuumed until all traces of the alkali detergent are removed.
- A strip and seal must be done after installation.

2. Daily

- Sweep/mop using a disposable cloth system such as the **Masslinn®** system or vacuum to remove dust and grit; (Ensure that the vacuum is fitted with a **Hepa** filtration system in a healthcare environment)
- Spot or damp mop where required using a neutral detergent such as **Proclean**.

3. Interim or weekly clean

- Periodic rejuvenation can be carried out if preferred or required, the frequency of which determined by individual circumstances. This rejuvenation can be a scrub using a machine, followed by application of the sealer to protect the floor. A spray buff routine is also appropriate and very effective in reducing the need for a continuous strip and seal.

We recommend that a professional maintenance product supplier be approached to determine the specific maintenance requirements for each application.

Strip

A full strip and seal should be conducted at least once a year.

- Apply **Prostrip** to floor – diluted 1 Litre to 10 Litres of water.
- Allow at least ten minutes action time.
- Scrub with slow speed machine, with **blue 3M pad**
- Remove polish and the like by scrubbing.
- Vacuum / mop up the dirty water.
- Rinse floor with clean water and a new un-used mop.
- Once floor is completely stripped and rinsed, go back, and check for any remaining polish. Re-strip these areas using the same procedure.
- Detail works – use maxi edge tool with black maxi pad to clean these areas.
- Once floor is stripped to your satisfaction, rinse once again.

NB: It is important to ensure that no polish or stripper remains on the floor.

Seal

- Apply three thin levelly coats of **Proflor H** with an applicator or Wonder waxer. **Proflor H** is a high-solids, hard floor sealer and is an excellent base coat.
- Drying time per coat is approximately 30 minutes.
- After this is dry, apply two or three coats of **Profinish**
- The floor should be left for several hours to allow the floor sealer to dry properly and cure.
- After approximately seven hours after the last coat has dried, buff the floor with a **new red / pink (Eraser) pad on a high / Ultra speed polisher**.
- Polish extensively.

Chemicals & Equipment

Proflor H – Sealer

- One 20L drum will cover 800m² per coat
- One 5L drum will cover 200m² per coat

Prostrip – Stripper

- One 20L drum will strip 800m²
- One 5L drum will strip 200m²

Profinish – Second Sealer for high shine

- One 20L drum will cover 800m² per coat
- One 5L drum will cover 200m²

Pro buff – Spray buff

- 20L

Proclean – Neutral cleaner

- 20L
- 5L

Procedure for a Matt/Satin finish

- Apply a minimum of two/three coats of **Proflor HM** and as per the manufacturer's instructions.

Procedure for a High Gloss/Shiny finish

- Apply a minimum of two/three coats of **Proflor H** and two coats of **Profinish** as per the manufacturer's instructions.

For more information on the above cleaning methods please contact Industroclean on 011 801 4600 or info@industroclean.co.za

INSTALLATION: (PLEASE NOTE: ALWAYS USE COMPATIBLE PRODUCTS FROM ONE SUPPLIER)

Please refer to individual product specification document.

The maintenance regime requires the installation of an effective barrier matting system.