

MANUAL SECTION	ISSUE DATE	AUTHORISED	REPLACES	PAGE
Flooring 1 of 3	Jan 2012	PM	Feb 2008	

**RESIN FLOOR TOPPINGS, VINYL FLOORINGS & PROTECTIVE FINISHES
CLEANING / MAINTENANCE RECOMMENDATIONS**

- 1.0 Industrial Floor Toppings
- 2.0 Floor coatings
- 3.0 Architectural Floor Toppings
- 4.0 Protective finishes
- 5.0 Vinyl Floor Finishes
- 6.0 Safety Vinyl

1.0 Industrial Flooring

Most conventional floor cleaning materials are suitable for use on Nuplex Industrial Flooring Systems: Sureshield, Industrial Terrazite, Supascreed, Nuthane, Surecote 500AR, Supascreed, Surechem VE, RapidFloor MMA, etc. Even a non-slip floor can be slippery if dirt, greases fats, etc get ingrained.

Prolonged use of highly alkaline or chlorine base cleaners should be avoided unless all residue from the cleaner can be removed soon after use.

Preferably a neutral pH sanitiser/detergent is recommended to ensure the long lasting durable properties of industrial floors are maintained.

Cleaning temperatures: There is a limit to cleaning water temperatures:

- Sureshield / Nuthane / Surecote 500AR : 70 c ; with occasional short exposure cleaning for hard cleaning areas at higher temps. Use caution.
- Surecote 500 Supascreed 50c
- Surecote 200: 40c

The following cleaners have been tested and found to be suitable for use with Nuplex Industrial flooring systems:

Advanced: Neutral Cleaner – General cleaning

Advanced: Pedigree - More severe Cleaning

Advanced: Heavy duty industrial cleaning

**Action Scrub - Heavy duty cleaner and degreaser - use as directed. Alkaline.; or
Punch Plus degreaser and emulsifying cleaner; or
Strike force Industrial cleaner**

Ring **Advanced International Cleaning Systems** for specific cleaning advice on particular issues..

Ring 0800-223 826. www.advanceclean.co.nz

For advice on other specific cleaners or systems please forward all technical product information to Nuplex Industries Ltd.

METHODS

Smooth Finishes

Conventional floor cleaning procedures are normally adequate to maintain a clean and hygienic surface.

Textured/Slip Resistant Finishes

Textured finishes will require more attention to remove heavy soiling etc from the base of the textured surface. Textured surfaces will require manual scrubbing using a stiff bristled brush/broom or mechanically scrubbed using a suitable machine fitted with firm bristled pads.

Eg See the Advanced range of colour coded Dairy scrub brushes. (Their manual page 59)

Alternatively heavy soiling etc can be removed using low-medium pressure water jet or suitable foam detergent applicator system. The recommendations or instruction of the selected cleaner/detergent manufacturer is to be followed. If in doubt please contact Nuplex Industries Ltd for advice.

MAINTENANCE

Ease of repair is a major advantage with Nuplex Industrial Flooring Systems. Damaged areas are cut out and retrowelled back to grade level using new materials quickly and with little disruption. Any damage should be reported to the Nuplex Contractor for necessary repair as soon as is practical.

Good maintenance / cleaning on a regular basis is essential to ensure the Nuplex floor finishes are providing a durable and environmentally safe and hygienic floor finish..

Nuplex Industries work closely with several cleaning companies, however we cannot promote the use of specific brands as we have no control over their manufacture, distribution or handling characteristics.

Most conventional floor cleaning materials are suitable for use on new Nuplex floor finishes, preferably a neutral pH sanitizer/detergent is recommended to ensure the long lasting durable properties of the finish are maintained.

Janitorial Suppliers

Many companies are available to advise, demonstrate and supply cleaning equipment, cleaning chemicals and sterilization aids.

General Cleaning

Can be by alternative methods but should generally be based on wet power scrubbing with appropriate type scrubbing bristle heads. (All as recommended by cleaning manufacturer's instructions). Scrubbing is generally followed by wet vacuum removal of all arising, followed by a clean water rinse scrub vacuum.

Choice of Equipment

Scrubbing Machine

There is a very wide choice of cleaning equipment available, varying from single headed scrubber and separate vacuums to combined scrubber-driers which scrub and dry in one operation.

Vacuum Machines. Final choice of equipment depends on areas to be cleaned and access in and around equipment and furniture etc. and must be made by the client or client's representative.

Frequency of Cleaning:

All floors will need cleaning periodically to remove dirt and contamination to prevent hazards such as slippery patches, mould, bacterial growth or chemical attack, as well as simply to improve appearance.

The activities in the area will determine the objectives of the cleaning regime and frequency of cleaning. In general, all spill and splashes should be treated immediately, especially if it is a corrosive material.

Cleaning Cycles and Methods

Can be alternated using scrubbing and vacuuming on set cycles with use of daily mopping or wet pad cleaning.

Machine spray buff cleaning may also be employed daily dependent on standards required and soiling rates.

Safety Aspects in relation to Slip Resistance

Good regular maintenance cleaning is extremely important, not only for the hygiene but also to prevent any build of fatty or oily lubrication deposits, which will rapidly decrease slip resistance.

Cleaning Profiled Surfaces: Textured finishes will require more attention to remove heavy soiling etc from the base of the textured surface. Textured surfaces will require occasional manual scrubbing using a stiff bristled brush/broom to remove stubborn ground in marking.

Caution

Steam cleaning (or hot water above 55°) should not be used with epoxy based materials. (It is ok with Sureshield) Power washing techniques should not be utilized where seal coats are applied to a screed floor.

Removal of Whitening / Blooming

These affects may occur when water or condensation run onto a floor prior to it being fully surface cured. This stops the curing process (only in the very top surface, the rest is cured) and that floor surface may turn white then or at a latter stage.

Removal:

Wipe the effect area with Solvent HA to remove the whitened / uncured surface. Solvent HA is a flammable solvent. Do not flood the floor ; just wipe with dampened rags. Put used rags into a heavy duty black waste bag and dispose of carefully in isolated areas.

2.0 Floor Coatings (eg Surecote 200, 200HS, Terratuff, Self levelling epoxy)

The use of dirt traps in doorways to eliminate grit which may scratch the floor is a good idea. Inspect for damage regularly. For impact damage, recall the contractor to cut out and replace areas. For an even effect, replacing whole floor sections or segments may be an option.

Manual Cleaning

1. Sweep and /or vacuum up dust and debris
2. Apply preferably using a mop and bucket the detergent, diluted to manufacturers recommendations
3. Leave on floor for approximately five minutes
4. If and when required scrub the floor with a deck scrubber
5. Wet vacuum or mop residue
6. Thoroughly rinse with hot clean water to ensure that the surface PH of the floor is neutral (PH7)
7. Allow surface to dry before re-use

Note

Do Not Seal or polish floor coatings.

Do not use cleaning detergents containing pine oil.

Remove heavy soiling immediately

Use clean warm water for rinsing, replace water regularly.

Dirty equipment particularly dirty mops do not clean they merely redistribute the dirt

When scrubbing use nylon brushes or blue pads only.

3.0 Architectural Terrazzite

Original Installation:

- Fine grind and double grout the floor to achieve a finish free of pinholes.
- Before any foot-traffic is allowed, seal the floor with two coats of Nuplex Crystal Seal. (Also suitable Aquaclear or Revathane for wet areas).
- Then the cleaning contractor must install a full polish system (normally a multicoat system of Sealers and finish coats).
- Ongoing polish involves the application of liquid polishes (maintainer) while power buffing (Burnishing). Buffing on its own will lead to a loss of polish, a dull finish and subsequently surface damage.

Architectural Terrazzite floors require sealers and Topfinishes to protect the marble based finish. They must be maintained. Lack of these polishes will cause a dull floor, scratching and loss of life.

Slip resistance is conferred by the properties of the polish system.

Only polish and cleaning products approved by Nuplex may be used in conjunction with Nuplex Architectural Terrazzite.

MATERIALS

Approved systems are:

- **ADVANCE International cleaning systems – Always use a sealer and a polish with Terrazzo**
 - Basecoat: Pioneer Eclipse Sealer – First Step sealer
 - Topfinish: Pioneer Eclipse Equinox - Sta Brite 20
 - Maintainer: Pioneer Eclipse - Extend Autoburnish
 - Cleaner: Pioneer Eclipse Neutral Cleaner.
- Plan Daily, weekly and quarterly cutbacks to maintain top appearance and life.

(Refer to specific product recommendations).

Do not use strong acidic, alkaline or chlorine based cleaners on Architectural Terrazzite as they will attack or discolour the marble composition of the Architectural Terrazzite or metal strips.

REPAIRS

Any damage is to be reported to Nuplex or the Architectural Terrazzite Contractor as soon as practical for necessary repair.

METHODS

Conventional floor cleaning procedures are recommended to maintain, clean and enhance the life expectancy of the Architectural Terrazzite. Selected cleaning/polish system procedures as attached are to be followed. All queries regarding the systems are to be made with the manufacturer or Nuplex on 09-5800883

For advice on other specific cleaners or systems please forward all technical and product information to Nuplex .

4.0 Protective Finishes

Eg Fibreclene, Situclad E, Situclad VE, Situclad VE Glass flake.

Nuplex wall liners are very resistant so dirt does not tend to bond. It may be cleaned with ease.

Cleaning wall liners is with a neutral cleaner available from many suppliers.

As the wall surfaces are designed to be smooth do not use abrasive cleaners nor highly alkaline cleaners.

Walls may be low water pressure cleaned but not waterblasted.

Bund liners such as Situclad E are very durable to sun, water and intermittent exposure to the approved chemicals. Life expectancy due to sun and water is greater than 5 years; probably much longer.

Life expectancy due to chemical exposure depends on the duration and cleanup time. If traces of chemicals are left after a spill; then the concentration can often increase causing damage.

It is important to understand that bund liners are maintenance finishes. If a spill occurs, then the product will likely resist damage during cleanup.

If some damage does happen, then maintenance to renovate back to the original condition is essential or the finish may not be able to cope with a second event. So the life expectancy of performance protective finishes is determined by maintenance.

5.0 Vinyl Floor Finishes

Eg Durafloor Plus, Efina and other Nuplex Vinyl systems

These finishes are treated and generally do not require a polish. However if required:

- (a) Premium system: Strip, followed by Pioneer Equinox First Step sealer (2 coats) followed by Pioneer Equinox Sta-Brite 20 (3 coats).
- (b) Medium system: Strip, followed by Prime Seal (2 coats) followed by Super vision (2 coats).
- (c) Basic system: Strip, followed by Supervision (2coats). This is often used if a floor has been damaged during installation.

(all products supplied by Advanced International Cleaning systems).

CLEANING - please contact ADVANCED

6.0 Safety Vinyl Flooring

Nuplex CPS Safety Floor Vinyl Cleaning & Maintenance

Cleaning regimes should be carried out regularly; the activities within the area will determine the objectives of the cleaning regime and cleaning frequency.

It is good practice not to allow any build-up of fatty acids or oily deposits and to remove all heavy soiling immediately following a spill.

Machine Cleaning

1. Sweep and /or vacuum up dust and debris

2. Load an approved detergent and dilute to manufacturers recommendations.
3. Apply solution and allow activating for approximately five minutes.
4. Machine scrub using synthetic brushes and /or blue pads.
5. Wet vacuum away all residue
6. Thoroughly rinse with hot clean water to ensure that the surface PH of the floor is neutral (PH7)
7. Allow surface to dry before re-use

Manual Cleaning

8. Sweep and /or vacuum up dust and debris
9. Apply preferably using a mop and bucket the approved detergent, diluted to manufacturers recommendations
10. Leave on floor for approximately five minutes
11. If and when required scrub the floor with a deck scrubber
12. Wet vacuum or mop residue
13. Thoroughly rinse with hot clean water to ensure that the surface PH of the floor is neutral (PH7)
14. Allow surface to dry before re-use

Note

Do Not Seal or polish safety flooring

Do not use cleaning detergents containing pine oil.

Remove heavy soiling immediately

Use clean hot water for rinsing, replace water regularly.

Dirty equipment particularly dirty mops do not clean they merely redistribute the dirt

When scrubbing use nylon brushes or blue pads only.

Seek advice from Advance International Cleaning Systems on specific cleaning materials to be used on safety floor finishes or for particular cleaning issues.

Tel 0800 223 826

www.advanceclean.co.nz

www.nuplexconstruction.co.nz