

FLOOR CLEANING & MAINTENANCE GUIDE



STONHARD®

STONHARD.COM



**THE CORRECT CLEANING
PROCEDURE MAKES SURE YOUR
FLOOR STAYS HYGIENIC AND SAFE.**

PRODUCTION AREA

CLEANING YOUR STONHARD FLOORS

In the food, pharmaceutical and general manufacturing industries, resin floors must be cleaned regularly and kept clean. This is because they play a key role in ensuring the hygiene, safety and durability of the working environment, as well as maintaining the highest quality and safety standards for customers products.

Contaminants, food residues, fats and liquids can provide an ideal environment for bacteria and mold to grow. Regular cleaning eliminates the risk of product contamination and ensures compliance with sanitary standards.

Clean floors are part of an environmental control system (GMP – Good Manufacturing Practice). Dirt and dust can affect the accuracy of production machinery and the quality of final products, as well as impacting the assembly process.

Despite their non-slip structure, resin floors can become slippery when covered in grease, oil, water or industrial waste. Regular cleaning reduces the risk of accidents and production downtime. Clean floors are a showcase for a facility, demonstrating high standards of work and attention to the quality and safety of both employees and products.

STONHARD
EST. 1922



TOOLS & EQUIPMENT

A RIDE-ON FLOOR SCRUBBER OF ANY BRAND

- For very large areas.



A SIDE-TO-SIDE FLOOR SCRUBBER - 50 CM DIAMETER

- Equipped with nylon brush head attachment (recommended).
- If used with degreasers, a secondary method will be needed for extraction and final rinse (i.e., shop vacuum or rubber squeegee).



WALK-BEHIND FLOOR SCRUBBER WITH ASSISTED TRACTION AND VACUUM CLEANER

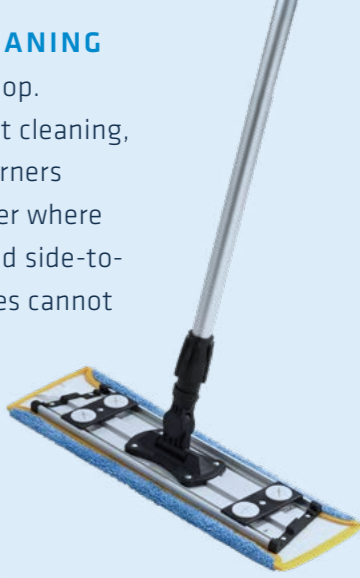
We recommend an easy-to-use model to minimize the chance of damaging your floors.

- 75 liter solution and recovery tanks.
- Optional on-board chemical system.
- For safety, flexibility and productivity, one touch scrubbing and programmable controls.
- Soft nylon brush attachments always recommended (White Nylon brush attachment for most manufacturers).
- Always start with the lightest brush pressure.



MANUAL CLEANING

- Microfiber mop.
- Used for spot cleaning, as well as corners and perimeter where scrubbers and side-to-side machines cannot reach.



NOTES:

- Loose debris must be removed prior to using scrubbers.
- Equipment needs to be maintained and in good working order. This includes squeegees, brushes, wheels and working parts (mechanics) of the scrubber. Also, brushes should be inspected for foreign debris and wear.
- The floor surface should be wet (utilizing water dispensing) prior to engaging the machine's brushes. Starting the brushes on a dry floor may cause scratches and swirls in the floor.



CLEAN FLOORS ARE THE FOUNDATION FOR SAFETY, EFFICIENCY AND LASTING PERFORMANCE IN EVERY ENVIRONMENT.

RECOMMENDED MAINTENANCE SCHEDULE

GENERAL MANUFACTURING, DRY PRODUCTION AREAS

DAILY MAINTENANCE

A neutral, universal cleaning product suitable for the daily cleaning of commercial or industrial floors should be used. It can be used with a mop and bucket, or in a ride-on or walk-behind floor scrubber fitted with a white polishing disc, or a soft or medium-hard bristle brush for textured surfaces.

Application:

- Dilute the product according to the manufacturer's instructions.
- Use a floor scrubber equipped with a soft or medium-hard bristle brush or a white polishing disc. Apply the product with the vacuum cleaner turned off and the rinsing device raised.
- Leave to act for 3-5 minutes.
- During the second pass, turn on the vacuum cleaner and sweeper to remove the product from the floor.
- Make a third pass with clean water only.
- For manual cleaning, apply the product with a mop, leave it to act, then collect it and rinse with clean water.

RECOMMENDED PRODUCT FROM STONHARD: **Stonkleen DG2**

WEEKLY MAINTENANCE

Heavy-duty build-up remover and general degreaser should be used, that effectively removes tire marks found on floors in warehouse and manufacturing facilities. It should be also effective in removing petroleum oils and metal oxides.

Application:

- Dilute the general alkaline degreaser according to the manufacturer's instructions.
- Use a floor scrubber equipped with a soft or medium brush, apply the product with the vacuum cleaner disconnected and the rinsing device raised.
- Leave the product to act for 1-2 minutes.
- During the second pass, turn on the vacuum cleaner and sweeper to remove the product from the floor.
- Finally, mop with a microfiber mop or use a floor scrubber with clean water.
- Proper cleaning of Stonhard flooring is very important to ensure its longevity and maintain its stain resistance.
- Proper dilution is essential for maximum performance and economy.

RECOMMENDED PRODUCT FROM STONHARD: **Stonkleen TD9**

RECOMMENDED MAINTENANCE SCHEDULE

SPOTTING & STAINING

Spotting and staining are the most challenging aspects of maintaining the floors in your facility. Stonkleen SR9 Professional spot lifter is effective for removing grease, food stains, betadine stains and other stains.

Application:

- Conduct a preliminary wipe-up of the spill with a clean, absorbent cloth.

- Apply Stonkleen SR9 at full strength to the stain.
- Allow to penetrate for 1 to 2 minutes using a soft nylon deck or hand brush intermittently to agitate.
- Wipe with clean absorbent cloth and rinse with clean water. Repeat if needed.

RECOMMENDED PRODUCT FROM
STONHARD: Stonkleen SR9

Attention: The use of heavy abrasive tools or solvents to clean the flooring is forbidden and can cause real damage to the resin floor!

FOOD & BEVERAGE, WET PRODUCTION AREAS

Stonhard textured resin floors should be cleaned using a foam and pressure rinse with dedicated industrial floor cleaning agents.

1. The power washer should have a maximum tip pressure of 80 bar and a fan tip of 20° or higher to avoid etching the surface. Keep the pressure washer tip 30–40 cm above the floor surface.
2. It is extremely important to control the concentration of the cleaning agent and exposure time in accordance with the cleaning agent manufacturer's recommendations!
3. Using a stronger cleaning agent concentration or leaving the cleaning agent to act on the floor for longer than recommended may accelerate chemical degradation and weaken the floor's resistance.
4. After cleaning, the floor should be thoroughly rinsed and dried with rubber squeegees. Puddles of unrinsed cleaning solution left to evaporate

can create hard-to-remove deposits and stains.

5. Pay attention to areas where cleaning solutions are stored and distributed. Leaks and seepage from valves and pumps can create a continuous immersion environment and cause erosion of the resin floor surface due to the constant high chemical concentration.
6. In the event of aggressive chemicals with a concentration of more than 30% coming into contact with the resin floor (e.g. sulfuric acid or nitric acid), they should be rinsed off with water as soon as possible and removed with a rubber squeegee. Leaving concentrated agents on the floor may cause slight discoloration in shades of white, red or yellow. These discolorations do not affect the floor's further functioning or chemical resistance properties, but are merely cosmetic.

STONKLEEN PRODUCTS

STONKLEEN TD9/FLOOR CLEANER FOR TIRE MARKS & HARD RESIDUE

Removes tire marks, petroleum oils and metal oxides found in manufacturing environments.

STONKLEEN SR9/PROFESSIONAL SPOT LIFTER

Removes tough spots and stains, including grease, food and Betadine found in healthcare facilities.

STONKLEEN DG2/GREEN GENERAL PURPOSE CLEANER

Green certified, no VOCs, effective daily cleaner for removing oils and greases found in public facilities.



RESIN FLOOR MAINTENANCE GUIDE

This manual provides essential guidelines for the correct use, protection, and long-term maintenance of resin flooring systems. Following these instructions ensures durability, performance, and aesthetic quality.

1. FORKLIFTS AND ELECTRIC PALLET TRUCKS

Before operating forklifts or electric pallet trucks on the resin floor, adjust the machine settings to prevent wheel lock-up during high-power acceleration. Failure to do so may create localized areas of excessive wear caused by intense friction and heat generated between the wheels and the floor surface.

2. MOVEMENT OF PALLETS

Dragging or scrubbing pallets across the floor accelerates surface wear. Nails, staples or any sharp protrusions in pallet bases are especially damaging and may cause gouges.

3. DRAGGING STEEL EQUIPMENT

Pushing steel baskets, containers on metal legs, or hard-plastic pallet boxes directly across the resin floor may result in mechanical damage, including deep scratches or cuts.

4. SURFACE SCRATCHES

Light, superficial scratches on the top layer of the resin system are a normal sign of use and are generally cosmetic.

5. PROTECTION AGAINST FALLING OBJECTS

In areas where heavy items may drop, additional floor protection—such as rubber mats or shock-absorbing pads—is strongly recommended.

6. FIXING MACHINES AND ELEMENTS

In wet areas or sub-zero temperature zones (e.g., cold storage), machines, bumpers, and other components must be anchored to the floor using chemical adhesive anchors no earlier than 48 hours after installation. In other areas, traditional steel anchors may be used.

7. PROTECTION FOR FURNITURE FEET

To reduce scratching, the feet of chairs, tables, and workstations should be fitted with vinyl glides, felt pads, or suitable protective elements.

8. FURNITURE HANDLING

Do not push or drag furniture across the floor. Always lift items to prevent scratching and edge breakouts. Office chairs should be equipped with soft casters suitable for resin floors.

9. HOT WORK (WELDING, CUTTING, GRINDING)

Performing welding or similar operations without proper floor protection will cause aesthetic or functional damage. Such work must only be executed after the flooring is completely protected with non-flammable coverings.

10. DRIVE WHEEL BEHAVIOR

Monitor the performance of drive wheels in transport equipment. Wheels that lose traction and spin in place generate extreme friction and high temperatures, creating rapid wear or burn marks—especially in machines with a single drive wheel.

11. CHANGES IN OPERATIONAL USE

If the function or load conditions of any part of the facility change, Stonhard must be consulted to verify that the installed flooring is compatible. A reassessment of mechanical resistance, chemical exposure, and temperature conditions may be required.

12. PAINTING WORKS

When painting walls or steel structures—especially with epoxy, polyurethane, or acrylic paints—the resin floor must be fully protected. These coatings, when cured, cannot be removed from the floor without causing permanent damage.

13. CHEMICAL SPILLS

In the event of a chemical spill, the chemicals must be neutralized as quickly as possible and the surface rinsed with water to minimize the impact of the chemicals on the floor.

14. APPEARANCE CHANGES OVER TIME

All flooring and wall systems naturally change due to wear, abrasion, movement, and cleaning processes. Glossy finishes will gradually lose their shine, whereas matte surfaces may become slightly glossier with use.

15. SURFACE TEXTURE AND CONTAMINATION

Resin flooring texture may evolve as a result of wear or contamination buildup. Regular cleaning and scheduled deep cleaning are essential to prevent residue accumulation. Periodic inspections should be carried out to ensure the surface continues to perform as intended; adhesion-enhancing maintenance may be required over time.



THE STONHARD DIFFERENCE

More than a century solving customers' problems, one point of contact, direct sales with complete design support, project management, technical support and global accounts. No matter where you are in the world, the end result is the same - consistent products and installation.



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