

THILLYARD TRILOGY®



THE SYSTEMS APPROACH TO RESILIENT FLOOR CARE

HILLYARD TRILOGY®

Three Systems Tailored To Your Budgets, Staff, Cleaning Frequencies & Equipment

Hillyard Trilogy® encompasses a unique, threefold systems approach to resilient floor care that simplifies product selection and training by focusing on the cleaning procedures, cleaning frequency, and equipment utilized in your operation. The end result is a maintenance program designed to optimize your cleaning resources and the appearance of your facility.

Each Trilogy program specifies quality seals and finishes to provide consistent performance and maximize the efforts of your staff. Trilogy's systemized approach takes into consideration the type of equipment you have and the amount of time you can dedicate to maintaining your resilient flooring.

By utilizing the system that best meets your needs, the Hillyard Trilogy approach to floor care will allow you to keep the resilient flooring in your facility at a high level of appearance while managing your maintenance operation on a cost-effective basis.

Surveying Your Needs

- At no cost or obligation, your Hillyard sales consultant will do an assessment of your resilient floor care needs.
- Complete recommendations on procedures, cleaning frequencies, and products will be covered.
- Systematic/Team Cleaning will be outlined as an option to area or zone cleaning.
- Training sessions will be arranged with the housekeeping personnel to cover procedures, equipment, and proper product usage.

Put A "CCAP®" On Your Resilient Floor Care Costs!

- The Hillyard Cleaning Cost Analysis Program® helps you make the most of your labor and supply budgets with computerized accuracy.
- Estimating total cleaning costs has never been easier.
- Analyze the impact of equipment automation or product changes with CCAP®.
- With point-and-click ease, your Hillyard sales consultant can help you determine your work load requirements, determine the most labor-effective processes, and estimate the cleaning products you need.



Trilogy® System I



Profile:

1. Facilities with restrictive maintenance budgets. A lack of equipment and personnel leaves little time to do anything to the floors other than dust mop, spot mop, and damp mop.
2. Autoscrubbers are normally not used in these facilities.
3. Infrequent spray buffing might be occurring, but only in high traffic areas.

Equipment Requirements:

175-1500 rpm floor machine
Autoscrubber (Optional)

Spray Buffing Frequency:

Once per week or less

Cleaning Frequency:

1. Dust mop and spot mop daily.
2. Damp mop three times per week or less.

Recommended Strippers:

Hillyard Strip-All®
Hillyard Devastator®

Recommended Floor Seals:

Hillyard Hil-Tex®+
Hillyard Seal 341®

Recommended Floor Finishes:

Hillyard Top Shape®
Hillyard Explorer®

Recommended Gloss Restorer:

Hillyard Hil-Glo®

Recommended Cleaners:

Hillyard Assurance®
Hillyard Super Shine-All® (also available in Arsenal®)
Hillyard Top Clean® (also available in Arsenal®)
Arsenal® Heavy Duty Floor Cleaner

Recommended Dust Mop Treatment:

Hillyard Super Hil-Tone®

Recommended Floor Pads:

Stripping – Black
Scrub and recoat – Blue or Green
Spray buffing – Red followed by White
Autoscrubbing – Red

Trilogy® System I

Weekly Maintenance

A major part of weekly maintenance in Trilogy® System I is damp mopping or autoscrubbing, if available. Soil and traffic loads are different for every facility, and in most cases, every entrance to every building. With appearance, sanitation, safety, and protection in mind, the following minimal frequencies are recommended:

System I	Damp Mop or Autoscrub
High Traffic	3 Times Per Week
Medium Traffic	2 Times Per Week
Low Traffic	1 Time Per Month

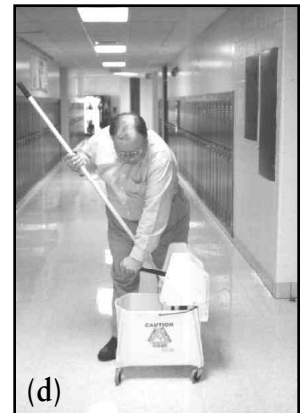
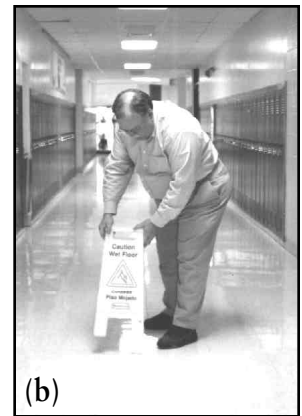
Damp Mopping

Tools Required:

- Dust mop
- Wet Floor signs
- Mop bucket with wringer
- Clean cotton or rayon mop with handle
- Hillyard Super Shine-All® or Top Clean®

Procedure:

- 1) Dust mop all flooring (a).
- 2) Set out Wet Floor signs (b).
- 3) Following label directions, mix cleaner in the mop bucket (c).
- 4) Soak mop in the cleaning solution and wring out (d).
- 5) Mop the floor using a figure “8” motion (e).
- 6) Change cleaning solution when it becomes cloudy with dirt (f).
- 7) Allow flooring to thoroughly dry before removing the Wet Floor signs. Air blowers will aid in the drying process.
- 8) Clean and store equipment properly.



Trilogy® System I

Autoscrubbing



Tools Required:

- Dust mop
- Wet Floor signs
- Autoscrubber
- Red pads
- Mop bucket with wringer
- Clean cotton or rayon mop with handle
- Hillyard Top Clean® or Super Shine-All®

Procedures:

- 1) Dust mop all flooring (a).
- 2) Set out Wet Floor signs (b).
- 3) Following label directions, mix cleaner in the solution tank of the autoscrubber (c).
- 4) Autoscrub all assigned flooring with a red pad using overlapping passes (d).
- 5) When one side of the pad becomes dirty, flip it to the clean side (e). When both sides are dirty, change to a clean pad. Place dirty pads in a trash liner for cleaning later.
- 6) Damp mop any trails left behind by the autoscrubber squeegee (f).
- 7) Allow flooring to dry thoroughly before removing the Wet Floor signs. Air blowers will aid in the drying process.
- 8) Empty and rinse the solution and recovery tanks of the scrubber before storing.



Trilogy® System I

Spray Buffing

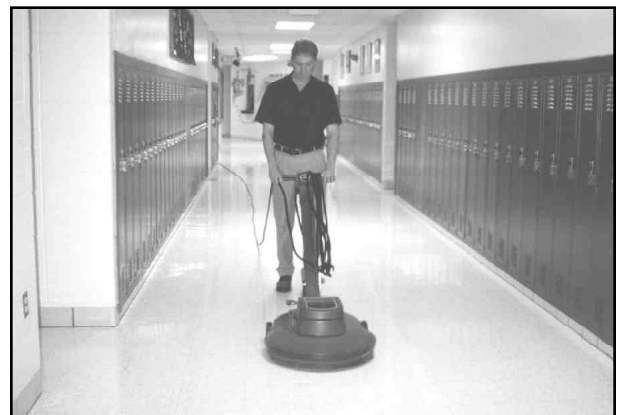
Spray buffing with a standard speed or high speed floor machine will remove scuff marks, restore gloss, and extend the life of the floor finish.

Tools Required:

- 175 rpm to 1500 rpm floor machine
- Hillyard Hil-Glo® spray buff solution
- Red pads
- White polish pad
- High-speed pads when using 1000+ rpm floor machine (Hillyard 100-D Polythermal Pad or Hillyard Beige Polythermal Pad)
- Dust mop

Procedures:

- 1) After the assigned flooring has been damp mopped or autoscrubbed and has dried, begin by placing a red pad under a standard speed (175 rpm) floor machine. Use a high-speed pad when using a 1000+ rpm machine.
- 2) When using a standard speed floor machine, spray a small section of the flooring with Hil-Glo. Immediately buff the sprayed area with the red pad until all black marks and scuffs are removed. Continue until all of the assigned flooring is spray buffed. Flip or change pads when dirty. To increase gloss, buff the entire section with a white polish pad.
- 3) When using a 1000+ rpm floor machine, spray four ft. wide sections the length of the flooring, not to exceed 40 ft. long sections. Immediately buff with a Hillyard 100-D Polythermal Pad or Hillyard Beige Polythermal Pad. Overlap each pass of the buffer and continue until all assigned flooring is spray buffed.
- 4) Dust mop all flooring after buffing.



Trilogy® System I

Deep Cleaning

By properly utilizing a deep scrub and recoat routine, stripping frequency can be greatly reduced, a more uniform level of appearance can be maintained, and overall floor care costs can be dramatically lowered. A deep scrub removes soil in the top layer of the floor finish and prevents dirt from being trapped between recoats.

If the floor dulls quickly after spray buffing or high speed buffing, it is normally a symptom of thinning and/or soiled floor finish. This condition requires a deep scrub and recoat.

Tools Required:

- Dust mop
- Wet Floor signs
- 175 rpm floor machine with pad holder
- Wet vacuum
- Blue or green scrub pads
- 2 mop buckets with wringers
- 2 clean cotton or rayon mops with handles
- Hillyard Assurance® or Arsenal® Heavy Duty Floor Cleaner.

Procedures:

- 1) Dust mop all flooring (a).
- 2) Set out Wet Floor signs.
- 3) Following label directions, mix cleaner in mop bucket (b).
- 4) Apply a generous amount of the cleaner solution to approximately a 10 ft. by 20 ft. area. Allow the cleaning solution to dwell for 3 to 5 minutes (c).
- 5) Scrub floor with a blue or green scrub pad (d).
- 6) Pick up the scrub solution with a wet vacuum (e).
- 7) Damp mop rinse the floor with clean water (f). Change the rinse water as soon as it becomes cloudy.
- 8) Continue with each section until all assigned flooring is scrubbed and rinsed.
- 9) Allow flooring to dry before applying finish. Air blowers will aid in the drying process.
- 10) Clean equipment and store properly.



Trilogy® System I

Stripping

Stripping is a measure of last resort and should be performed only when a deep scrub and recoat will not restore a finish to the desired level of appearance. Yellowing, embedded dirt, and irreparable damage to the finish are conditions that require stripping. New flooring should be stripped to remove factory-applied coatings.

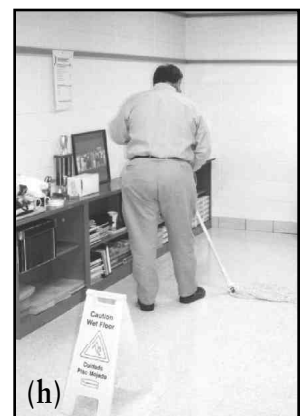
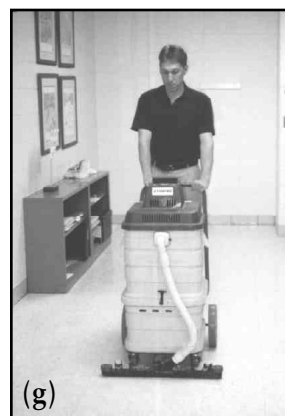
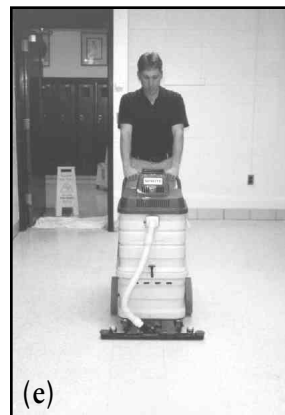
Tools Required:

- Dust mop
- Putty knife or floor scraper
- Wet Floor signs
- 175 rpm floor machine with pad holder
- Wet vacuum
- Black strip pads
- Doodle bug with scrub pad
- 3 mop buckets with wringers
- 3 clean cotton or rayon mops with handles
- Hillyard Strip-All® or Devastator®
- Hillyard Nutra-Rinse®

Procedures:

- 1) Dust mop all flooring (a).
- 2) Remove gum and stickers with putty knife or floor scraper (b) and set out Wet Floor signs.
- 3) Mix stripper in a mop bucket by following label directions and apply a generous amount of the stripper solution to approximately a 10 ft. by 20 ft. area. Allow to dwell for five to 10 minutes (c).
- 4) Scrub the floor with the black pad (d). Scrub edges and corners with doodle bug.
- 5) Pick up scrub solution with a wet vacuum (e).
- 6) Mix four oz. of Nutra-Rinse per gallon of water in a mop bucket and apply a heavy amount to the scrubbed area (f). Allow to dwell for a few minutes.
- 7) Pick up the Nutra-Rinse solution with a wet vacuum (g).
- 8) Continue with each section until all assigned flooring is scrubbed and heavy rinsed.
- 9) Damp mop rinse all stripped flooring with clean water twice (h). Change the rinse water if it becomes cloudy.
- 10) Allow flooring to dry before applying finish. Air blowers will aid in the drying process.
- 11) Inspect the floor for complete removal of old finish. Strip again, if necessary.
- 12) See Sections for Sealing and Finishing.

NOTE: It is recommended that you wear slip-resistant stripping booties over street shoes when stripping the floor.



Trilogy® System I

Sealing And Finishing

The purpose of a floor sealer is to provide a foundation for the floor finish. The seal fills the pores of older, worn floors while providing a smoother surface for the finish to adhere to. The smoother the surface, the more the finish will shine. The sealer will also enhance the natural color and beauty of the flooring.

Applying Seal

Tools Required:

- Wet Floor signs
- Clean mop bucket with wringer
- Clean rayon mop with handle
- Clear trash liner
- Hillyard Hil-Tex®+ or Seal 341. If staining is a problem, Strong Guard® stain-resistant seal should be considered.

Procedures:

- 1) Set out Wet Floor signs.
- 2) Line mop bucket with clear trash liner (a).
- 3) Pour seal into the lined mop bucket and soak the mop in the seal. Wring the mop out lightly to the point it is well saturated, but not dripping (b).
- 4) Apply one or two even coats to all stripped flooring with a minimum of 30 minutes between coats (c). Be sure to replenish the mop with seal when the mop begins to drag on the floor.
- 5) Allow the last coat of seal to dry one hour before applying floor finish.

Applying Finish

Hillyard Trilogy® System I specifies Top Shape®, an 18% solids finish, and Explorer®, a 22% solids finish. Both of these finishes have been formulated to provide high gloss, and scuff and black heel mark resistance, as well as the durability needed to perform under minimal maintenance conditions.

The tool requirements and application procedures are the same for applying finish as they are for applying seal (see photos a, b, c, and tools listed above). As always, follow label directions.

Minimum number of coats recommended after stripping: If applying over seal, five coats of an 18% or four coats of a 22%. If using finish only, seven coats of an 18% or six coats of a 22%.

For scrub and recoat applications, it is recommended that two coats of finish be applied. Allow a minimum of two hours dry time before opening the floor to traffic. Do not direct air blowers or fans directly at the finish. Air blowers or fans are only recommended for exhausting air from a room, especially during periods of high humidity.



Trilogy® System II

Profile:

1. Facilities desiring a high level of appearance.
2. Some automation exists, including autoscrubbers and burnishers (electric or battery).
3. There is sufficient cleaning staff available to burnish the floors at least once per week.

Equipment Requirements:

- 175 rpm floor machine
- Autoscrubber
- 1500-2000 rpm floor burnisher (electric or battery)

Burnishing Frequency:

One to three times per week.

Cleaning Frequency:

1. Dust mop and spot mop daily.
2. Damp mop or autoscrub five times per week or less.

Recommended Strippers:

Hillyard Assault® or Hillyard Devastator®

Recommended Floor Seals:

Hillyard Hil-Tex®+ or Hillyard Seal 341®

Recommended Floor Finishes:

Hillyard Endeavour® or Hillyard North Star★®

Recommended Gloss Restorer:

Hillyard Restorer

Recommended Cleaners:

Hillyard Assurance®
Hillyard Super Shine-All® (also available in Arsenal®)
Hillyard Top Clean® (also available in Arsenal®)
Arsenal® Heavy Duty Floor Cleaner

Recommended Dust Mop Treatment:

Hillyard Super Hil-Tone®

Recommended Floor Pads:

Stripping – Black
Scrub and recoat – Blue or Green
Autoscrubbing – Hillyard UHS Cleaner Pad or 3M 5000 TopLine
Pre-Burnish Pad or 3M 5100 Red Pad
Burnishing – Hillyard 100-D Polythermal Pad or
Hillyard Beige Polythermal Pad



Trilogy® System II

Weekly Maintenance

A major part of weekly maintenance in Trilogy® System II is damp mopping or autoscrubbing. Soil and traffic loads are different for every facility, and in most cases, every entrance to every building. With appearance, sanitation, safety, and protection in mind, the following minimal frequencies are recommended:

System II	Autoscrub
High Traffic	3 Times Per Week
Medium Traffic	2 Times Per Week
Low Traffic	1 Time Per Month

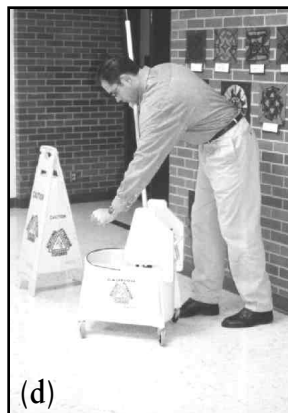
Damp Mopping

Tools Required:

- Dust mop
- Wet Floor signs
- Mop bucket with wringer
- Clean cotton or rayon mop with handle
- Hillyard Super Shine-All® or Top Clean®

Procedure:

- 1) Dust mop all flooring (a).
- 2) Set out Wet Floor signs (b).
- 3) Following label directions, mix cleaner in mop bucket (c).
- 4) Soak the mop in the cleaning solution and wring out (d).
- 5) Mop the floor using a figure "8" motion (e).
- 6) Change cleaning solution when it becomes cloudy with dirt.
- 7) Allow flooring to dry thoroughly before removing the Wet Floor signs. Air blowers will aid in the drying process (f).
- 8) Clean and store equipment properly.



Trilogy® System II

Autoscrubbing

Tools Required:

- Dust mop
- Wet Floor signs
- Autoscrubber
- Scrub pads
- Mop bucket with wringer
- Clean cotton or rayon mop with handle
- Hillyard Super Shine-All® or Top Clean®

Procedures:

- 1) Dust mop all flooring (a).
- 2) Set out Wet Floor signs (b).
- 3) Following label directions, mix cleaner in the solution tank of the autoscrubber (c).
- 4) Autoscrub all assigned flooring using overlapping passes (d).
- 5) When one side of the scrub pad becomes dirty, flip it to the clean side (e). When both sides are dirty, change to a clean pad. Place dirty pads in a trash liner for cleaning later.
- 6) Damp mop any trails left behind by the autoscrubber squeegee (f).
- 7) Allow flooring to dry thoroughly before removing the Wet Floor signs. Air blowers will aid in the drying process.
- 8) Empty and rinse the solution and recovery tanks of the autoscrubber before storing.

High-Speed Burnishing

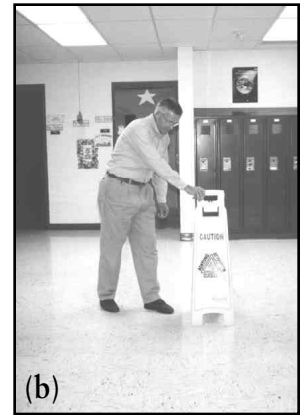
Trilogy® System II specifies weekly burnishing of the flooring.

Tools Required:

- Burnisher (electric or battery)
- Hillyard 100-D Polythermal Pad or Hillyard Beige Polythermal Pad
- Dust mop

Procedures:

- 1) After the assigned flooring has been autoscrubbed and dried, burnish with a Hillyard 100-D Polythermal Pad or Hillyard Beige Polythermal Pad using overlapping passes (g).
- 2) Dust mop all flooring when finished (h).



Trilogy® System II

Gloss Restoration

In Trilogy® System II, gloss restoration is accomplished during one of the scheduled burnishings with the use of Hillyard Restorer. Restorer has been formulated to clean away scuffs and black heel marks, and restore the gloss in one operation. It may be mopped onto the floor or dispensed and applied through an autoscrubber.

Mop-On Application

Tools Required:

- Wet Floor signs
- Mop bucket with wringer
- Clean rayon mop with handle
- Hillyard Restorer
- Dust mop

Procedures:

- Before mop-on restoration, always ensure that the floor is clean. Dust mop and damp mop, or autoscrub, the floor first.
- 1) Set out Wet Floor signs.
 - 2) Dilute one part Restorer to four parts water (one quart to one gallon of water) in the mop bucket (a).
 - 3) Soak mop in the Restorer solution and wring out.
 - 4) Mop on a uniform, thin coat of Restorer to all assigned flooring (b), and allow to dry to the touch.
 - 5) Burnish with a Hillyard 100-D Polythermal Pad or Hillyard Beige Polythermal Pad (c).
 - 6) Dust mop all flooring after burnishing (d).
 - 7) Clean and store equipment properly.

Autoscrubber Application

Procedures:

- 1) Dust mop all flooring.
- 2) Dilute four oz. of Restorer per gallon of water in the solution tank of the autoscrubber (e).
- 3) Autoscrub all assigned flooring with a red pad using overlapping passes (f).
- 4) Flip or change pads when dirty (g). Place dirty pads in a trash liner for cleaning later.
- 5) Allow flooring to dry and burnish with a Hillyard 100-D Polythermal Pad or Hillyard Beige Polythermal Pad under an electric or battery powered floor machine (h).



Trilogy® System II

Deep Cleaning

By properly utilizing a deep scrub and recoat routine, stripping frequency can be greatly reduced, a more uniform level of appearance can be maintained, and overall floor care costs can be dramatically lowered. Deep scrubbing removes soil in the top layer of the floor finish and prevents dirt from being trapped between coats.

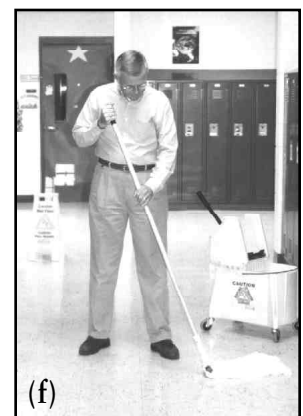
If the floor dulls quickly after burnishing, it is normally a symptom of thinning and/or soiled floor finish. This condition requires a deep scrub and recoat.

Tools Required:

- Dust mop
- Wet Floor signs.
- Autoscrubber with pad holder
- Blue or green scrub pads
- Doodle bug with scrub pad
- Mop bucket with wringer
- Clean cotton or rayon mop with handle
- Hillyard Assurance® or Arsenal® Heavy Duty Floor Cleaner

Procedures:

- 1) Dust mop all flooring (a).
- 2) Set out Wet Floor signs (b).
- 3) Following label directions, mix cleaner in the autoscrubber (c).
- 4) Autoscrub floor with the blue or green pad using heavy pad pressure (d).
- 5) Scrub floor edges and corners with the doodle bug equipped with a scrubbing pad (e).
- 6) Damp mop rinse the floor with clean water. Change water if it becomes cloudy (f).
- 7) Continue with each section until all assigned flooring is scrubbed and rinsed.
- 8) Allow flooring to dry before applying finish. Air blowers will aid in the drying process.



Trilogy® System II

Stripping

Stripping is a measure of last resort and should be performed only when a deep scrub and recoat will not restore a finish to the desired level of appearance. Yellowing, embedded dirt, and irreparable damage to the finish are conditions that require stripping. New flooring should be stripped to remove factory-applied coatings.

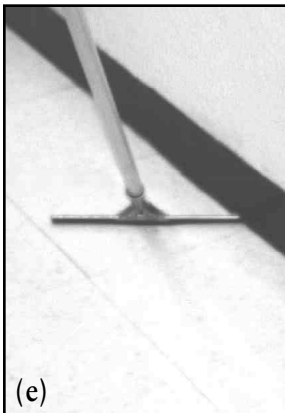
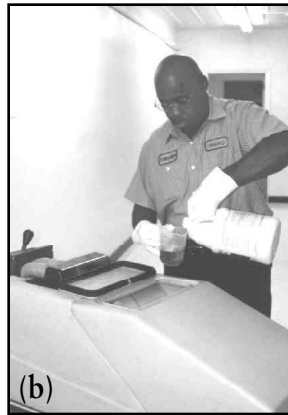
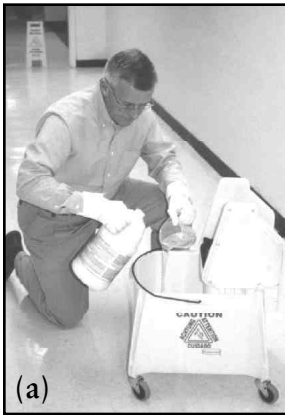
Tools Required:

- Dust mop
- Putty knife or floor scraper
- Wet Floor signs
- Autoscrubber with pad holder
- Black strip pads
- Doodle bug with scrub pad
- Floor squeegee
- 2 mop buckets with wringers
- Clean cotton or rayon mop with handle
- Hillyard Assault® or Devastator® stripper
- Hillyard Nutra-Rinse®

Procedures:

- 1) Dust mop all flooring.
- 2) Remove gum and stickers with putty knife or floor scraper.
- 3) Set out Wet Floor signs.
- 4) Following label directions, mix stripper in a mop bucket (a).
- 5) Mix four oz. of Nutra-Rinse per gallon of water in the autoscrubber (b).
- 6) Apply a generous amount of the stripper solution to a 10 ft. by 20 ft. area. Allow to dwell for five to 10 minutes (c).
- 7) Scrub edges and corners with doodle bug (d).
- 8) Squeegee scrub solution away from edges and corners (e).
- 9) Autoscrub flooring to be stripped using a black pad with heavy pad pressure. Run the first pass with the squeegee down, the vacuum turned on, and the solution tank off (f).
- 10) Run a second pass over the scrubbed flooring with all systems turned on while dispensing Nutra-Rinse solution (g).
- 11) Continue with each section until all assigned flooring is scrubbed and heavy rinsed.
- 12) Damp mop rinse all stripped flooring twice with clean water (h). Change the rinse water if it becomes cloudy.
- 13) Allow the flooring to dry before applying finish. Air blowers will aid in the drying process.
- 14) Inspect the floor for complete removal of old finish. If necessary, strip again.
- 15) See the next section for Sealing and Finishing.

NOTE: It is recommended that you wear slip-resistant stripping booties over street shoes when stripping the floor.



Trilogy® System II

Sealing And Finishing

The purpose of a floor sealer is to provide a foundation for the floor finish. The sealer fills the pores of older, worn floors while providing a smoother surface for the finish to adhere to. The smoother the surface the more the finish will shine. The sealer will also enhance the natural color and beauty of the flooring.

Applying Seal

Tools Required:

- Wet Floor signs
- Clean mop bucket with wringer
- Clean rayon mop with handle
- Clear trash liner
- Hillyard Hil-Tex®+ or Seal 341®. If staining is a problem, Strong Guard® stain-resistant seal should be considered.

Procedures:

- 1) Set out Wet Floor signs.
- 2) Line mop bucket with clear trash liner (a).
- 3) Pour seal into the lined mop bucket and soak the mop in the seal. Wring the mop out lightly to the point it is well saturated, but not dripping (b).
- 4) Apply one or two even coats to all stripped flooring with a minimum of 30 min. between coats (c). Be sure to replenish the mop with seal when the mop begins to drag on the floor.
- 5) Allow the last coat of seal to dry one hour before applying floor finish.

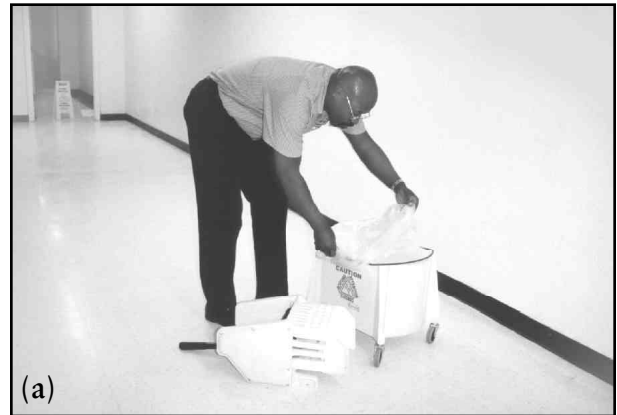
Applying Finish

Hillyard Trilogy® System II specifies Endeavour®, an 18% solids finish, and North Star★®, a 22% solids finish. Both finishes have been formulated with the latest technology to deliver exceptional durability and high gloss. They offer excellent response to frequent autoscrubbing and high-speed burnishing (1500-2000 rpm, electric or battery burnishers).

Tool requirements and application procedures are the same for applying finish as they are for applying seal (see photos a, b, c, and tools listed above). As always, follow label directions.

The minimum number of coats recommended after stripping: If applying over seal, five coats of an 18% or four coats of a 22%. If using finish only, seven coats of an 18% or six coats of a 22%.

For scrub and recoat applications, two coats of finish should be applied. Allow a minimum of two hours dry time before opening the floor to traffic. Do not direct blowers or fans directly at the finish. Air blowers or fans are only recommended for exhausting air from a room, especially during periods of high humidity.



Trilogy® System III



Profile:

1. Facilities requiring the ultimate appearance level. An ongoing “wet look” gloss is desired.
2. Automation exists, including autoscrubbers and burnishers (battery or propane).
3. There is sufficient cleaning staff available to autoscrub and burnish the floors daily.

Equipment Requirements:

- 175 rpm floor machine
- Autoscrubber
- 1500-2000+ rpm floor burnisher (battery or propane)

Burnishing Frequency:

Three to seven times per week or more.

Cleaning Frequency:

1. Dust mop and spot mop daily.
2. Damp mop or autoscrub five to seven times per week.

Recommended Stripper:

Hillyard Devastator®

Recommended Floor Seals:

Hillyard Hil-Tex®+
Hillyard Seal 341®

Recommended Floor Finish:

Hillyard Resilience®

Recommended Gloss Restorer:

Hillyard Restorer

Recommended Cleaners:

Hillyard Assurance®
Hillyard Top Clean® (also available in Arsenal®)
Arsenal Heavy Duty Floor Cleaner

Recommended Dust Mop Treatment:

Hillyard Super Hil-Tone®

Recommended Floor Pads:

Stripping – Black
Scrub and recoat – Blue or Green
Autoscrubbing – Hillyard UHS Cleaner Pad or 3M 5000 TopLine
Pre-Burnish Pad or 3M 5100 Red Pad
Burnishing – Hillyard Blue Lustre Burnishing Pad

Trilogy® System III

Weekly Maintenance

A major part of weekly maintenance in Trilogy® System III is autoscrubbing. Soil and traffic loads are different for every customer, and in most cases, every entrance to every building. With appearance, sanitation, safety, and protection in mind, the following minimal frequencies are recommended:

System III	Autoscrub
High Traffic	5 Times Per Week
Medium Traffic	2 Times Per Week
Low Traffic	1 Time Per Month

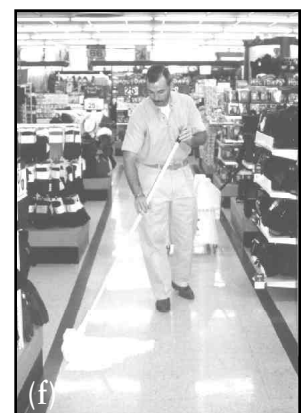
Autoscrubbing

Tools Required:

- Dust mop
- Wet Floor signs
- Autoscrubber (walk behind or riding)
- Scrub pads
- Mop bucket with wringer
- Clean cotton or rayon mop with handle
- Hillyard Top Clean®

Procedures:

- 1) Dust mop all flooring (a).
- 2) Set out Wet Floor signs (b).
- 3) Following label directions, mix cleaner in the solution tank of the autoscrubber (c).
- 4) Autoscrub all assigned flooring using overlapping passes (d).
- 5) When one side of the scrub pad becomes dirty, flip it to the clean side (e). When both sides are dirty, change to a clean pad. Place dirty pads in a trash liner for later cleaning.
- 6) Damp mop any trails left behind by the autoscrubber squeegee (f).
- 7) Allow flooring to thoroughly dry before removing the Wet Floor signs. Air blowers will aid in the drying process.
- 8) Empty and rinse out the solution and recovery tanks of the scrubber before storing.



Trilogy® System III

Ultra High-Speed Burnishing

Trilogy® System III specifies ultra-high speed burnishing floors three to seven times a week.

Tools Required:

- Burnisher (battery or propane)
- Hillyard Luster Lite Burnishing Pad
- Dust mop

Procedures:

- 1) After the assigned flooring has been autoscrubbed (a) and dried, burnish with a Hillyard Blue Lustre Burnishing Pad using overlapping passes (b).
- 2) Dust mop all flooring when finished (c).



Trilogy® System III

Gloss Restoration

In Trilogy® System III, gloss restoration is accomplished during one of the scheduled burnishings with the use of Hillyard Restorer. Restorer has been formulated to clean away scuffs and black heel marks, and restore the gloss in one operation. It may be mopped onto the floor or dispensed and applied through an autoscrubber.

Mop-On Application

Tools Required:

- Wet Floor signs
- Mop bucket with wringer
- Clean rayon mop with handle
- Hillyard Restorer
- Dust mop

Procedures:

Before mop-on restoration, always ensure that the floor is clean. Dust mop and damp mop or autoscrub the floor first.

- 1) Set out Wet Floor signs.
- 2) Dilute one part Restorer to four parts water (1 quart to 1 gallon of water) in the mop bucket (a).
- 3) Soak mop in the Restorer solution and wring out.
- 4) Mop on a uniform, thin coat of Restorer to all assigned flooring (b), and allow to dry to the touch.
- 5) Burnish with a Hillyard Blue Lustre Burnishing Pad under a battery or propane floor machine (c).
- 6) Dust mop all flooring after burnishing (d).
- 7) Clean and store equipment properly.

Autoscrubber Application

Procedures:

- 1) Dust mop all flooring.
- 2) Dilute four oz. of Restorer per gallon of water in the solution tank of the autoscrubber (e).
- 3) Autoscrub all assigned flooring with a scrub pad using overlapping passes (f).
- 4) Flip or change pads when dirty (g). Place dirty pads in a trash liner for cleaning later.
- 5) Allow flooring to dry and burnish with a Hillyard Blue Lustre Burnishing Pad under a battery or propane floor machine (h).



Trilogy® System III

Deep Cleaning And Scrub & Recoat

Deep Cleaning

By properly utilizing a deep scrub and recoat routine, stripping frequency can be greatly reduced, a more uniform level of appearance can be maintained, and overall floor care costs can be dramatically lowered. A deep scrub removes soil in the top layer of the floor finish and prevents dirt from being trapped between coats.

If the floor dulls quickly after burnishing, it is normally a symptom of thinning and/or soiled floor finish. This condition requires a deep scrub and recoat.

Scrub & Recoat

Tools Required:

- Dust mop
- Wet Floor signs
- Autoscrubber with pad holder
- Blue or green scrub pads
- Doodle bug with scrub pad
- Mop bucket with wringer
- Clean cotton or rayon mop with handle
- Hillyard Assurance® or Arsenal® Heavy Duty Floor Cleaner

Procedures:

- 1) Dust mop all flooring.
- 2) Set out Wet Floor signs.
- 3) Following label directions, mix cleaner in the solution tank of the autoscrubber (a).
- 4) Autoscrub floor with the blue or green pad using heavy pad pressure (b).
- 5) Scrub floor edges and corners with the doodle bug equipped with a scrubbing pad (c).
- 6) Damp mop rinse the floor with clean water. Change water if it becomes cloudy (d).
- 7) Continue with each section until all assigned flooring is scrubbed and rinsed.
- 8) Allow flooring to dry before applying finish. Air blowers will aid in the drying process.



Trilogy® System III

Stripping

Stripping is a measure of last resort and should be performed only when a deep scrub and recoat will not restore a finish to the desired level of appearance. Yellowing, embedded dirt, and irreparable damage to the finish are conditions that require stripping. New flooring should also be stripped to remove factory-applied coatings.

Tools Required:

- Dust mop
- Putty knife or floor scraper
- Wet Floor signs
- Autoscrubber with pad holder
- Black strip pads
- Doodle bug with scrub pad
- Floor squeegee
- Two mop buckets with wringers
- Clean cotton or rayon mop with handle
- Hillyard Devastator® stripper
- Hillyard Nutra-Rinse®

Procedures:

- 1) Dust mop all flooring.
- 2) Remove gum and stickers with putty knife or floor scraper.
- 3) Set out Wet Floor signs.
- 4) Following label directions, mix stripper in a mop bucket (a).
- 5) Mix four oz. of Nutra-Rinse per gal. of water in an autoscrubber (b).
- 6) Apply a generous amount of the stripper solution to a 10 ft. by 20 ft. area. Allow to dwell for five to 10 minutes (c).
- 7) Scrub edges and corners with the doodle bug (d).
- 8) Squeegee scrub solution away from edges and corners (e).
- 9) Autoscrub flooring to be stripped using a black pad with heavy pad pressure. Run the first pass with the squeegee down, the vacuum turned on, and the solution tank off (f).
- 10) Run a second pass over the scrubbed flooring with all systems turned on while dispensing Nutra-Rinse solution (g).
- 11) If using a propane stripping machine, strip the entire floor. Do not allow the stripping solution to dry on the floor. Pick up the solution with an autoscrubber while dispensing Nutra-Rinse.
- 12) After the entire floor has been stripped and Nutra-Rinsed, damp mop rinse twice with clean water (h).
- 13) Allow flooring to dry before applying finish. Air blowers will aid in the drying process.
- 14) Inspect the floor for complete removal of old finish. If necessary, strip again.
- 15) See the next section for Sealing and Finishing.

NOTE: It is recommended that you wear slip-resistant stripping booties over street shoes when stripping the floor.



Trilogy® System III

Sealing And Finishing

The purpose of a floor sealer is to provide a foundation for the floor finish. The sealer fills the pores of older, worn floors while providing a smoother surface for the finish to adhere to. The smoother the surface, the more the finish will shine. The sealer will also enhance the natural color and beauty of the flooring.

Applying Seal

Tools Required:

- Wet Floor signs
- Clean mop bucket with wringer
- Clean rayon mop with handle
- Clear trash liner
- Hillyard Hil-Tex®+ or Seal 341®. If staining is a problem, Strong Guard® stain-resistant seal should be considered.

Procedures:

- 1) Set out Wet Floor signs.
- 2) Line mop bucket with clear trash liner (a).
- 3) Pour seal into the lined mop bucket and soak the mop in the seal. Wring the mop out lightly to the point it is well saturated, but not dripping (b).
- 4) Apply one or two even coats to all stripped flooring with a minimum of 30 minutes between coats (c). Be sure to replenish the mop with seal when the mop begins to drag on the floor.
- 5) Allow the last coat of seal to dry one hour before applying floor finish.

Applying Finish

Hillyard Trilogy® System III specifies Resilience®. Resilience offers the unsurpassed benefits of gloss and repairability. It is exceptional in responding to daily autoscrubbing and ultra-high speed burnishing (1500-2000+ rpm, battery or propane burnishers).

The tool requirements and application procedures are the same for applying finish as they are for applying seal (see photos a, b, c, and tools listed above). As always, follow label directions.

The minimum number of coats recommended after stripping: If applying over seal, five coats. If using finish only, seven coats.

For scrub and recoat applications, two coats of finish should be applied. Allow a minimum of two hours dry time before opening the floor to traffic. Do not direct air blowers or fans directly at the finish. Air blowers or fans are only recommended for exhausting air from a room, especially during periods of high humidity.



Trilogy® Systems

Preventive Maintenance

No matter which Trilogy® System you use, the objective is to maintain the desired level of appearance and adequate protection for the flooring while providing a safe surface under foot. This requires scheduled, daily preventive maintenance.

Matting

The durability and gloss retention of seals and finishes used on resilient floors can be greatly extended with proper preventive maintenance. The use of walk-off mats is the first defense. The value of mats and the amount of soil and moisture captured cannot be over emphasized. The central factor in mat selection is a mat's ability to trap dirt, as well as its ability to absorb liquids brought in by foot traffic.

Preventive maintenance should occur outside the building as well. More than 75% of soil in any building is tracked in. Keep sidewalks clean to reduce soil and moisture migration into the building.

Dust Mopping

An essential element of preventive maintenance of resilient flooring is daily dust mopping, especially in high traffic areas.

The least expensive, but most important, tool in floor care is the dust mop. Daily dust mopping with a Super Hil-Tone® treated mop will remove dirt and grit that acts like sandpaper underfoot in wearing away finishes and seals.

Treat the dust mop by following the directions on the Super Hil-Tone label. Never treat a dust mop and immediately use it. It should always be hung overnight with the wicks down so the dressing can penetrate evenly throughout the wicks. Always brush out or vacuum the mop after daily use and retreat for use the next day.



Trilogy® Systems

Preventive Maintenance

Spot Mopping

Preventive or daily maintenance of resilient flooring includes routine removal of spots and spills*. It is important to remove spills as soon as possible to prevent slips and falls.

Tools Required:

- Wet Floor signs
- Mop bucket with wringer
- Clean cotton or rayon mop with handle
- Hillyard Super Shine-All® or Top Clean®

Procedures:

- 1) Set out Wet Floor signs.
- 2) Following label directions, mix cleaner in mop bucket (a).
- 3) Soak mop in the cleaning solution and wring out.
- 4) Mop the floor area while absorbing the spill (b).
- 5) Re-soak mop in the cleaning solution and wring out.
- 6) Mop the area a second time.
- 7) Allow flooring to thoroughly dry before removing the Wet Floor signs. Air blowers will aid in the drying process.
- 8) Return equipment to the custodial closet, clean, and store properly.

** For removal of blood, fecal matter, urine, and other potentially infectious materials as outlined in OSHA Regulation 29 CFR 1910.1030, use the Hillyard Spill Response Kit.*

Gum And Sticker Removal

Tools required:

- Floor scraper or putty knife
- Hillyard Liquid Gum-Go®

Procedures:

- 1) Use floor scraper or putty knife to remove gum or stickers from floor (c).
- 2) For difficult-to-remove gum, as well as removal of stickers and tape adhesive, use Hillyard Liquid Gum-Go.



Trilogy® Floor Finishes, Hillyard Floor Care

Trilogy® Floor Finishes

Top Shape® #522 – An 18% solids finish developed to provide a high gloss and the durability required to hold up to the limited maintenance profile of Trilogy® System I. Top Shape is detergent resistant, applies and levels easily, and is spray buffable. It is classified by Underwriters Laboratories, Inc.® as to slip resistance and is packaged in one, five, and 55 gallon containers.

Explorer® #534 – A 22% solids finish designed for the limited maintenance profile of Trilogy System I. Explorer is spray buffable, delivers excellent detergent resistance, and resists scuffing and scratching. Its high solids content allows for faster film build with fewer coats. It is spray buffable, classified by Underwriters Laboratories, Inc.® as to slip resistance, and is packaged in one, five, and 55 gallon containers.

Endeavour® #525 – A premium, 18%, advanced floor finish formulated with high-tech polymers. It is a perfect finish for the automated profile of Trilogy System II. Endeavour provides unsurpassed durability and high-gloss. It is classified by Underwriters Laboratories, Inc.® as to slip resistance and is packaged in one, five, and 55 gallon containers.

North Star★® #528 – A premium 22% floor finish engineered with advanced polymers to meet the exacting specifications of Trilogy System II. Its higher solids content improves labor efficiency by providing faster film build with fewer coats. It is classified by Underwriters Laboratories, Inc.® as to slip resistance and is packaged in one, five, and 55 gallon containers.

Resilience® #521 – Formulated exclusively for Trilogy System III, Resilience is based on an advanced polymer system that provides an exceptionally long lasting shine. It consistently delivers beautiful floors that stand up to repeated cleanings and the heat of ultra high-speed burnishing, day after day. Resilience is the perfect choice for retail stores, supermarkets, and building service contractors who demand a wet-look shine. It is classified by Underwriters Laboratories, Inc.® as to slip resistance and comes packaged in one, five, and 55 gallon containers.

Hillyard Floor Seals

Hil-Tex®+ #344 – An economical, zinc-free, fast drying seal that has been formulated to provide a smooth, tough base to which the floor finish can adhere. Highly recommended for older, porous floors. Hil-Tex+ is classified by Underwriters Laboratories, Inc.® as to slip resistance, and comes packaged in one, five, and 55 gallon containers.

Seal 341® #341 – A high solids seal formulated to fill the pores of older flooring more quickly in order to provide a smooth, tough base to which the floor finish can adhere. Seal 341 is classified by Underwriters Laboratories, Inc.® as to slip resistance, and comes packaged in one, five, and 55 gallon containers.

Strong Guard® #345 – A fast drying seal that resists stains such as Betadine* and Kool-Aid*. Classified by Underwriters Laboratories, Inc.® as to slip resistance, and comes packaged in one gallon and five gallon containers.

Hillyard Cleaners

Assurance® #153 – Highly concentrated, multipurpose cleaner with the punch needed to remove a wide variety of dirt, grime, and grease. Very effective under conditions of heavy soil load and high traffic. Assurance can be applied with a mop or autoscrubber. It is the cleaner of choice for heavy scrubbing and recoating of resilient flooring. Classified by Underwriters Laboratories, Inc.® as to slip resistance, and comes packaged in one, five, and 55 gallon containers.

Super Shine-All® #140 – A neutral and natural soap that cleans, polishes, and protects. Shine-All penetrates, emulsifies, lifts, and suspends soil to make thorough cleaning of any surface possible. Shine-All's penetrating film can be polished to an attractive slip-resistant luster, and allows colors to be revealed more vividly. This is especially evident with asphalt tile and linoleum. Shine-All can be applied with a mop or autoscrubber, and may be burnished at any speed. Classified by Underwriters Laboratories, Inc.® as to slip resistance, and comes packaged in one, five, and 55 gallon containers.



This product meets Green Seal's environmental standard for industrial and institutional cleaners based on its reduced human and aquatic toxicity and reduced smog production potential.

Top Clean® #144 – A fast acting, synthetic cleaner that removes the soil and leaves the shine. Cleans without leaving a residue and has a neutral pH. Built-in defoamers make it the ideal cleaner for autoscrubbers, and the recommended daily cleaner for Trilogy System III. Top Clean is classified by Underwriters Laboratories, Inc.® as to slip resistance, and comes packaged in one, five, and 55 gallon containers.

Products, And Arsenal® Professional Cleaners

Hil-Glo® #533/#1015 – A spray buff that restores the gloss while it cleans away scuffs and black heel marks. Hil-Glo can be used with 175 rpm to 1500 rpm floor machines. Recommended for use in Trilogy® System I. Hil-Glo is classified by Underwriters Laboratories, Inc.® as to slip resistance, and comes packaged in Quick & Clean® quarts (#1015) and one gallon (#533) containers.

Restorer #539 – A concentrated cleaner and restorer that can be mopped on or used in the autoscrubber. It is formulated to be used with 1500-2000+ rpm burnishers. Restorer provides superior high gloss, scuff resistance, and wearability as it protects the base coats. It is classified by Underwriters Laboratories, Inc.® as to slip resistance, and comes packaged in quarts, one gallon, and five gallon containers.

Strip-All® #141 – A non-ammoniated, heavy duty stripper that works in hot or cold water. Strip-All contains no butyl or phosphates. It is an economical and effective stripper that will meet the needs of customers whose criteria is that of Trilogy System I. Strip-All is packaged in one, five, and 55 gallon containers.

Assault® #149 – A heavy duty, mop-on stripper with a non-butyl, low odor formula that makes it ideal for use in those accounts with indoor air quality concerns. Effectively strips problem areas such as buildup along edges and around columns. Assault is packaged in one, five, and 55 gallon containers.

Devastator® #147 – Aggressive, fast acting, and powerful are the best words to describe this stripper. Devastator is particularly effective in meeting the needs of Trilogy System III customers. It is packaged in one, five, and 55 gallon containers.

Nutra-Rinse® #219 – A high quality neutralizer and conditioner formulated to help remove alkaline residues on flooring. Its special chelating action ties up the insoluble alkaline salts left behind by alkaline strippers, which, if left behind, can cause finishes to powder or wear poorly. Nutra-Rinse is also excellent for removing ice melt compounds. It is packaged in one, five, and 55 gallon containers.

Super Hil-Tone® #215/#1016 – Formulated to pick up the dirt and grit from flooring and leave behind a protective film that will aid in reducing black heel marking and scuffs. Super Hil-Tone meets VOC regulations, and is classified by Underwriters Laboratories, Inc.® as to slip resistance. It is packaged in Quick & Clean quarts (#1016), and one, five, and 55 gallon (#215) containers.

Hil-Mist® #213 – An optional, water-based dust mop treatment that provides effective dust control. Classified by Underwriters Laboratories, Inc.® as to slip resistance, and comes packaged in one gallon containers.

Super Shine-All® Concentrate #808 – Same features and benefits as the original Super Shine-All, only in a more concentrated form (1:128 dilution ratio). Packaged in 4 oz. Hil-Pac® pouches and one gallon Arsenal® containers.

Heavy Duty Floor Cleaner #809 – Dissolves dirt and grime, and is an excellent choice for heavy scrub and recoats. 1:128 dilution ratio. Packaged in 2 oz. and 4 oz. Hil-Pac pouches and one gallon Arsenal containers.

Top Clean® Concentrate #810 – Same features and benefits as the original Top Clean, only in a more concentrated form (1:256 dilution ratio). Packaged in 1 oz. and 2 oz. Hil-Pac pouches and one gallon Arsenal containers.

Neutralizer/Carpet Rinse #818 – Same features as Nutra-Rinse above, only in a more concentrated form (1:64 dilution ratio). Packaged in 4 oz. Hil-Pac pouches and one gallon Arsenal containers.

Hillyard Gloss Restorers

Hillyard Strippers

Hillyard Neutralizers

Dust Mop Treatments

Arsenal® Professional Cleaners

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	CHOOSE THE TRILOGY® FLOOR CARE SYSTEM THAT FITS YOUR NEEDS		
	Trilogy® System I	Trilogy® System II	Trilogy® System III
FACILITY PROFILE	For facilities with restrictive maintenance budgets, lack of equipment, and minimum cleaning personnel. Normal maintenance consists of dust mopping, spot mopping, and damp mopping. System I facilities normally lack autoscrubbers and high-speed burnishers. Infrequent spray buffing in high traffic areas only.	System II was designed for facilities that desire a high level of appearance. Some automation already exists, including autoscrubbers and burnishers (electric or battery). There is sufficient cleaning staff available to burnish the floors at least once each week.	System III delivers the ultimate appearance levels to facilities that demand a "wet look" gloss every operating day. In the typical System III facility there is sufficient cleaning staff and equipment available to autoscrub daily and burnish (battery or propane) floors daily.
TYPICAL FACILITY	Schools, small office buildings	Larger schools, colleges, office buildings, hospitals, nursing homes, small retail centers, small supermarkets.	Large retail outlets, malls, large supermarkets
EQUIPMENT REQUIRED	175 - 1500 rpm floor machine and autoscrubber (optional)	175 rpm floor machine, autoscrubber, and 1500-2000 rpm floor burnisher	175 rpm floor machine, autoscrubber, and 1500-2000+ rpm floor burnisher
BURNISHING FREQUENCY	Spray buff once per week or less	One to three times per week or less	Three to seven times per week or more
CLEANING FREQUENCY	Dust mop and spot mop daily. Damp mop three times per week or less.	Dust mop and spot mop daily. Damp mop or autoscrub five times per week or less.	Dust mop and spot mop daily. Damp mop or autoscrub five to seven times per week.
RECOMMENDED STRIPPERS	Hillyard Strip-All® Hillyard Devastator®	Hillyard Assault® Hillyard Devastator®	Hillyard Devastator®
RECOMMENDED SEALS	Hillyard Hil-Tex®+ Hillyard Seal 341®	Hillyard Hil-Tex®+ Hillyard Seal 341®	Hillyard Hil-Tex®+ Hillyard Seal 341®
RECOMMENDED FINISHES	Hillyard Top Shape® Hillyard Explorer®	Hillyard Endeavour® Hillyard North Star★®	Hillyard Resilience®
RECOM. RESTORER	Hillyard Hil-Glo®	Hillyard Restorer	Hillyard Restorer
RECOMMENDED CLEANSERS	Hillyard Assurance® Hillyard Super Shine-All®* Hillyard Top Clean®* Arsenal® Heavy Duty Floor Cleaner	Hillyard Assurance® Hillyard Super Shine-All®* Hillyard Top Clean®* Arsenal® Heavy Duty Floor Cleaner	Hillyard Assurance® Hillyard Top Clean®* Arsenal® Heavy Duty Floor Cleaner
DUST MOP TREATMENT	Hillyard Super Hil-Tone®	Hillyard Super Hil-Tone®	Hillyard Super Hil-Tone®
RECOMMENDED PADS	Stripping – Black Scrub and recoat – Blue or Green Spray buffing – Red followed by White Autoscrubbing – Red	Stripping – Black Scrub and recoat – Blue or Green Autoscrubbing – Hillyard UHS Cleaner Pad or 3M 5000 TopLine Pre-Burnish Pad or 3M 5100 Red Pad Burnishing – Hillyard 100-D Polythermal Pad or Hillyard Beige Polythermal Pad	Stripping – Black Scrub and recoat – Blue or Green Autoscrubbing – Hillyard UHS Cleaner Pad or 3M 5000 TopLine Pre-Burnish Pad or 3M 5100 Red Pad Burnishing – Hillyard Blue Lustre Burnishing Pad

* Also available in Arsenal®

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