



# REFINED CONCRETE & TERRAZZO FLOOR RESTORATION PROGRAM

## Retail, Commercial, & Transportation Procedures Brochure

A step-by-step guide on how to perform each  
of the 3 Restoration Levels



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**3 LEVELS OF FLOOR RESTORATION**

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## 3 LEVELS OF FLOOR RESTORATION



## RETAIL, COMMERCIAL & TRANSPORTATION

### Light Restoration

3 step process (3 pads & restoration cleaner)

### Moderate Restoration

5 step process (4 pads, densification & restoration cleaner)

### Complete Restoration

6 step process (5 pads, densification & restoration cleaner)

Our Enviro-Solutions Refined Concrete and Terrazzo Floor Restoration Program sets the standard in polished concrete and terrazzo floor care. By combining our unique diamond pad technology and polished concrete and terrazzo specific restoration cleaner and substrate densifier you can now provide a full restoration program to your current custodial staff and building services contractors.

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# Light Restoration

3 step process (3 pads & restoration cleaner)



## Where and When to use:

When the polished and refined concrete or terrazzo floor has lost some of its original luster and is showing slight wear and tear. No etching or staining has occurred.

- 3 pad process which includes 2 **ES-FPP Foundation Prep Pads** and 1 **ES-CMP Cleaner Maintainer Pad** used with **ES35 Restoration Cleaner** with either an Auto Scrubber or low speed floor machine.
- Once complete, follow guidelines for ES Refined Concrete and Terrazzo Floor Maintenance Program per normal maintenance schedule.

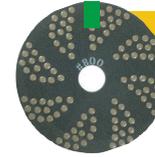
STEP

1

Wet scrub with **ES35** and **800 ES-FPP** diamond pad



**ES35**  
Restoration Cleaner (1:128)



**800**  
Grit FPP Pad

STEP

2

Wet scrub with **ES35** and **1500 ES-FPP** diamond pad



**ES35**  
Restoration Cleaner (1:128)



**1500**  
Grit FPP Pad

STEP

3

Wet scrub with **ES35** and **1500 ES-CMP** diamond pad



**ES35**  
Restoration Cleaner (1:128)



**1500**  
Grit CMP Pad



### MACHINE PREPARATION



Empty the solution tank and clean thoroughly to avoid cross contamination of chemicals.

Fill the solution tank with **ES35 Restoration Cleaner** at a ratio of 1:128 (1 oz of **ES35** / 1 gallon of water) (7.8 mL of **ES35** / 1 L of water)

>Example: a 10-gallon solution tank will need 10 oz of **ES35**

Affix **ES-FPP 800 Grit Diamond Pad(s)** to center lock pad driver(s) making sure the pad(s) have no wrinkles and are secure on the driver(s).

# Light Restoration

## Auto Scrubber Application



### STEP 1 - ES-FPP 800 GRIT DIAMOND PAD



Make 4-6 passes with the **ES-FPP 800 Grit Diamond Pad**, overlapping 50% to ensure even scrubbing.

#### RECOMMENDED SCRUBBING PATTERN:

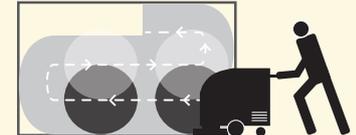
Make first and second pass moving in a North/South motion with squeegee in up position, water flow valve set to medium flow, walking at a slow pace. **(Photo A)**

Make third and fourth pass moving in a East/West motion with squeegee in up position, water flow valve set to low flow, walking in a slow pace.

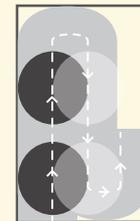
Make final fifth and sixth pass in a circular motion with squeegee in down position, vacuum motor on, water flow valve set to low, removing all the solution from the floor. **(Photo B)**



#### FIRST PASS



#### SECOND PASS



# Light Restoration

## Auto Scrubber Application



### STEP 2 - ES-FPP 1500 GRIT DIAMOND PAD



Make 4-6 passes with the **ES-FPP 1500 Grit Diamond Pad**, overlapping 50% to ensure even scrubbing.

#### RECOMMENDED SCRUBBING PATTERN:

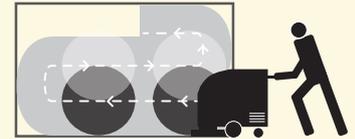
Make first and second pass moving in a North/South motion with squeegee in up position, water flow valve set to medium flow, walking at a slow pace. **(Photo A)**

Make third and fourth pass moving in a East/West motion with squeegee in up position, water flow valve set to low flow, walking in a slow pace.

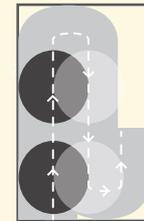
Make final fifth and sixth pass in a circular motion with squeegee in down position, vacuum motor on, water flow valve set to low, removing all the solution from the floor. **(Photo B)**



#### FIRST PASS



#### SECOND PASS



# Light Restoration

## Auto Scrubber Application



### STEP 2 - ES-CMP 1500 GRIT DIAMOND PAD



Make 4-6 passes with the **ES-CMP 1500 Grit Diamond Pad**, overlapping 50% to ensure even scrubbing.

#### RECOMMENDED SCRUBBING PATTERN:

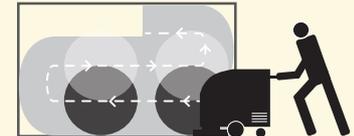
Make first and second pass moving in a North/South motion with squeegee in up position, water flow valve set to medium flow, walking at a slow pace. **(Photo A)**

Make third and fourth pass moving in a East/West motion with squeegee in up position, water flow valve set to low flow, walking in a slow pace.

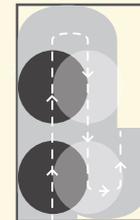
Make final fifth and sixth pass in a circular motion with squeegee in down position, vacuum motor on, water flow valve set to low, removing all the solution from the floor. **(Photo B)**



#### FIRST PASS



#### SECOND PASS



# Light Restoration

## Floor Machine + Mop & Bucket Application



### MACHINE PREPARATION



Empty the mop bucket and clean thoroughly to avoid cross contamination of chemicals.

Fill the mop bucket with **ES35 Restoration Cleaner** at a ratio of 1:128 (1 oz of **ES35** / 1 gallon of water) (7.8 mL of **ES35** / 1 L of water)

>Example: a 6-gallon mop bucket will need 6 oz of **ES35**

Attach **ES-FPP 800 Grit Diamond Pad** to the pad driver and make sure that it is centered under the floor machine.

# Light Restoration

## Floor Machine + Mop & Bucket Application



### STEP 1 - ES-FPP 800 GRIT DIAMOND PAD



Apply **ES35** solution from mop bucket on the floor liberally with a string mop. **(Photo A)**

Make 4-6 passes with the **ES-FPP 800 Grit Diamond Pad**, overlapping 50% to ensure even scrubbing. **(Photo B)**

#### RECOMMENDED SCRUBBING PATTERN:

Make 2-3 passes moving in a North/South motion.

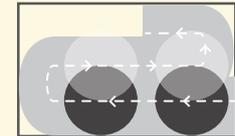
Make 2-3 additional passes moving in a East/West motion.

Move in a slow speed to ensure the pad is properly refining the surface.

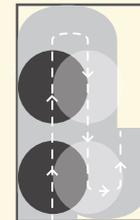
Pick up solution with a wet vac or slurry vacuum.



2-3 PASSES



2-3 PASSES



# Light Restoration

## Floor Machine + Mop & Bucket Application



### STEP 2 - ES-FPP 1500 GRIT DIAMOND PAD



Apply **ES35** solution from mop bucket on the floor liberally with a string mop. **(Photo A)**

Make 4-6 passes with the **ES-FPP 1500 Grit Diamond Pad**, overlapping 50% to ensure even scrubbing. **(Photo B)**

#### RECOMMENDED SCRUBBING PATTERN:

Make 2-3 passes moving in a North/South motion.

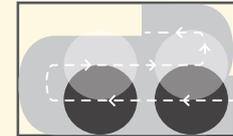
Make 2-3 additional passes moving in a East/West motion

Move in a slow speed to ensure the pad is properly refining the surface.

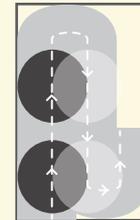
Pick up solution with a wet vac or slurry vacuum.



2-3 PASSES



2-3 PASSES



# Light Restoration

## Floor Machine + Mop & Bucket Application



### STEP 3 - ES-CMP 1500 GRIT DIAMOND PAD



Apply **ES35** solution from mop bucket on the floor liberally with a string mop. **(Photo A)**

Make 4-6 passes with the **ES-CMP 1500 Grit Diamond Pad**, overlapping 50% to ensure even scrubbing. **(Photo B)**

#### RECOMMENDED SCRUBBING PATTERN:

Make 2-3 passes moving in a North/South motion.

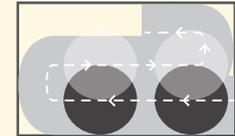
Make 2-3 additional passes moving in a East/West motion.

Move in a slow speed to ensure the pad is properly refining the surface.

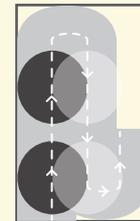
Pick up solution with a shop vac or slurry vacuum.



2-3 PASSES

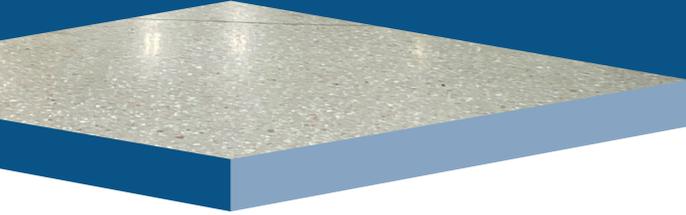


2-3 PASSES



# Moderate Restoration

5 step process (4 pads densification & restoration cleaner)



## Where and When to use:

When the polished and refined concrete or terrazzo floor has lost most of its original luster and is showing moderate wear and tear. Slight etching and staining have occurred.

- 4 pad and substrate restrengthening process which includes a onetime application of **ES36 Nano Substrate Densifier**, 3 **ES-FPP Foundation Prep Pads** and 1 **ES-CMP Cleaner Maintainer Pads** used with **ES35 Restoration Cleaner** with either an Auto Scrubber or low speed floor machine.
- Once complete, follow guidelines for ES Refined Concrete and Terrazzo Floor Maintenance Program per normal maintenance schedule.

STEP

1

Wet scrub with **ES35** and **400 ES-FPP diamond pad**



**ES35**  
Restoration Cleaner (1:128)



**400**  
Grit FPP Pad

STEP

2

Apply **ES36 Nano Substrate Densifier** as per label



**ES36**  
Nano Substrate Densifier (1:4)

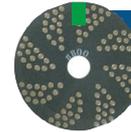
STEP

3

Wet scrub with **ES35** and **800 ES-FPP** diamond pad



**ES35**  
Restoration Cleaner (1:128)



**800**  
Grit FPP Pad

STEP

4

Wet scrub with **ES35** and **1500 ES-FPP** diamond pad



**ES35**  
Restoration Cleaner (1:128)



**1500**  
Grit FPP Pad

STEP

5

Wet scrub with **ES35** and **1500 ES-CMP** diamond pad



**ES35**  
Restoration Cleaner (1:128)



**1500**  
Grit CMP Pad



### MACHINE PREPARATION



Empty the solution tank and clean thoroughly to avoid cross contamination of chemicals.

Fill the solution tank with **ES35 Restoration Cleaner** at a ratio of 1:128 (1 oz of **ES35** / 1 gallon of water) (7.8 mL of **ES35** / 1 L of water)

>Example: a 10-gallon solution tank will need 10 oz of **ES35**

Affix **ES-FPP 400 Grit Diamond Pad(s)** to center lock pad driver(s) making sure the pad(s) have no wrinkles and are secure on the driver(s).

# Moderate Restoration

## Auto Scrubber Application



### STEP 1 - ES-FPP 400 GRIT DIAMOND PAD



Make 4-6 passes with the **ES-FPP 400 Grit Diamond Pad**, overlapping 50% to ensure even scrubbing.

#### RECOMMENDED SCRUBBING PATTERN:

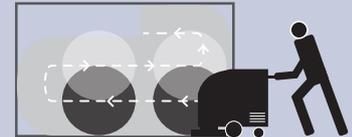
Make first and second pass moving in a North/South motion with squeegee in up position, water flow valve set to medium flow, walking at a slow pace. **(Photo A)**

Make third and fourth pass moving in a East/West motion with squeegee in up position, water flow valve set to low flow, walking in a slow pace.

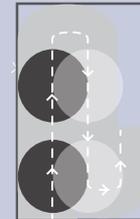
Make final fifth and sixth pass in a circular motion with squeegee in down position, vacuum motor on, water flow valve set to low, removing all the solution from the floor. **(Photo B)**



#### FIRST PASS



#### SECOND PASS



**RECOMMENDED TIP:** After completing Step 1, clean the floor with the **ES35** solution in the mop bucket or scrubber with a **ES-CMP 400 Grit Pad**. Allow the floor to dry before the application of **ES36 Nano Substrate Densifier** (a floor fan can be used).

# Moderate Restoration

## STEP 2 - ES36 NANO SUBSTRATE DENSIFIER



Dilute **ES36 Nano Substrate Densifier** 1:4 and place in a clean pump-up sprayer.

Apply **ES36** with a flat mop at a coverage rate of 500 sqft / gallon.

Spread **ES36** in an even application, avoiding pooling.

Ensure **ES36** is wet on the surface and continue to work the **ES36** into the substrate for 15 minutes, apply more where major absorption occurs.

Allow **ES36** to completely dry on surface. Dry time varies based on condition of substrate and location of area. Average dry time is around 30 mins to 1 hour.



ES36  
Nano Substrate Densifier



Dilution 1:4  
1 oz. ES36 per 4 oz. of cool water



Method  
Pump Sprayer or apply to a  
microfibre flat mop and blend



Continue to work the densifier into the substrate, apply more where major absorption occurs.



If the substrate is really porous, continue to apply **ES36** for up to 30 minutes for maximum penetration/protection. Allow up to 45 minutes for floor to dry before starting step 3.

# Moderate Restoration

## Auto Scrubber Application



### STEP 3 - ES-FPP 800 GRIT DIAMOND PAD



Make 4-6 passes with the **ES-FPP 800 Grit Diamond Pad**, overlapping 50% to ensure even scrubbing.

#### RECOMMENDED SCRUBBING PATTERN:

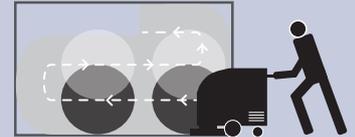
Make first and second pass moving in a North/South motion with squeegee in up position, water flow valve set to medium flow, walking at a slow pace. **(Photo A)**

Make third and fourth pass moving in a East/West motion with squeegee in up position, water flow valve set to low flow, walking in a slow pace.

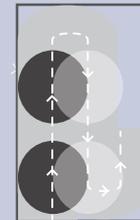
Make final fifth and sixth pass in a circular motion with squeegee in down position, vacuum motor on, water flow valve set to low, removing all the solution from the floor. **(Photo B)**



#### FIRST PASS



#### SECOND PASS



# Moderate Restoration

## Auto Scrubber Application



### STEP 4 - ES-FPP 1500 GRIT DIAMOND PAD



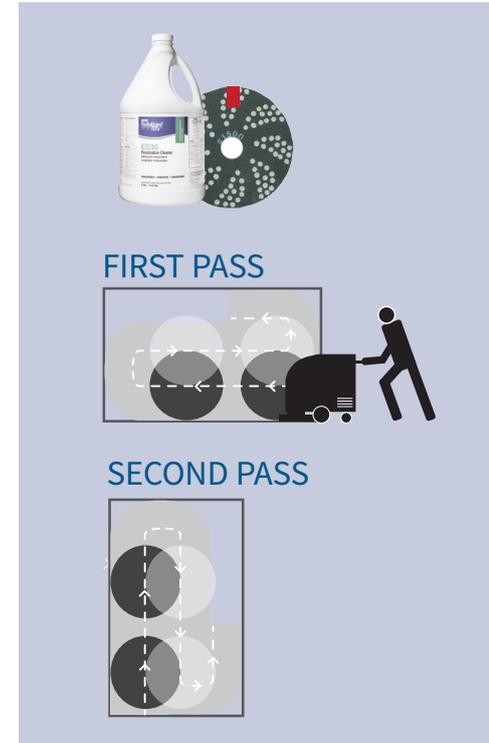
Make 4-6 passes with the **ES-FPP 1500 Grit Diamond Pad**, overlapping 50% to ensure even scrubbing.

#### RECOMMENDED SCRUBBING PATTERN:

Make first and second pass moving in a North/South motion with squeegee in up position, water flow valve set to medium flow, walking at a slow pace. **(Photo A)**

Make third and fourth pass moving in a East/West motion with squeegee in up position, water flow valve set to low flow, walking in a slow pace.

Make final fifth and sixth pass in a circular motion with squeegee in down position, vacuum motor on, water flow valve set to low, removing all the solution from the floor. **(Photo B)**



# Moderate Restoration

## Auto Scrubber Application



### STEP 5 - ES-CMP 1500 GRIT DIAMOND PAD



Make 4-6 passes with the **ES-CMP 1500 Grit Diamond Pad**, overlapping 50% to ensure even scrubbing.

#### RECOMMENDED SCRUBBING PATTERN:

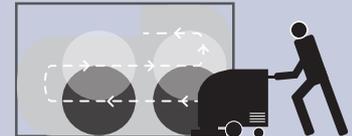
Make first and second pass moving in a North/South motion with squeegee in up position, water flow valve set to medium flow, walking at a slow pace. **(Photo A)**

Make third and fourth pass moving in a East/West motion with squeegee in up position, water flow valve set to low flow, walking in a slow pace.

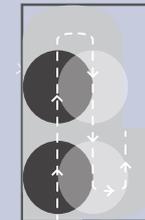
Make final fifth and sixth pass in a circular motion with squeegee in down position, vacuum motor on, water flow valve set to low, removing all the solution from the floor. **(Photo B)**



#### FIRST PASS



#### SECOND PASS



# Moderate Restoration

## Floor Machine + Mop & Bucket Application



### MACHINE PREPARATION



Empty the mop bucket and clean thoroughly to avoid cross contamination of chemicals.

Fill the mop bucket with **ES35 Restoration Cleaner** at a ratio of 1:128 (1 oz of **ES35** / 1 gallon of water) (7.8 mL of **ES35** / 1 L of water)

>Example: a 6-gallon mop bucket will need 6 oz of **ES35**

Attach **ES-FPP 400 Grit Diamond Pad** to the pad driver and make sure that it is centered under the floor machine.

# Moderate Restoration

## Floor Machine + Mop & Bucket Application



### STEP 1 - ES-FPP 400 GRIT DIAMOND PAD



Apply **ES35** solution from mop bucket on the floor liberally with a string mop. **(Photo A)**

Make 4-6 passes with the **ES-FPP 400 Grit Diamond Pad**, overlapping 50% to ensure even scrubbing. **(Photo B)**

#### RECOMMENDED SCRUBBING PATTERN:

Make 2-3 passes moving in a North/South motion.

Make 2-3 additional passes moving in a East/West motion.

Move in a slow speed to ensure the pad is properly refining the surface.

Pick up solution with a shop vac or slurry vacuum.



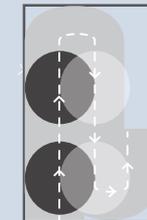
**RECOMMENDED TIP:** After completing Step 1, clean the floor with the **ES35** solution in the mop bucket or scrubber with a **ES-CMP 400 Grit Pad**. Allow the floor to dry before the application of **ES36 Nano Substrate Densifier** (a floor fan can be used).



2-3 PASSES



2-3 PASSES



# Moderate Restoration

## Floor Machine + Mop & Bucket Application



### STEP 2 - ES36 NANO SUBSTRATE DENSIFIER



Dilute **ES36 Nano Substrate Densifier** 1:4 and place in a clean pump-up sprayer.

Apply **ES36** with a flat mop at a coverage rate of 500 sqft / gallon.

Spread **ES36** in an even application, avoiding pooling.

Ensure **ES36** is wet on the surface and continue to work the **ES36** into the substrate for 15 minutes, apply more where major absorption occurs.

Allow **ES36** to completely dry on surface. Dry time varies based on condition of substrate and location of area. Average dry time is around 30 mins to 1 hour.



ES36  
Nano Substrate Densifier



Dilution 1:4  
1 oz. ES36 per 4 oz. of cool water



Method  
Pump Sprayer or apply to a  
microfibre flat mop and blend



Continue to work the densifier into the substrate, apply more where major absorption occurs.



If the substrate is really porous, continue to apply **ES36** for up to 30 minutes for maximum penetration/protection. Allow up to 45 minutes for floor to dry before starting step 3.

# Moderate Restoration

## Floor Machine + Mop & Bucket Application



### STEP 3 - ES-FPP 800 GRIT DIAMOND PAD



Apply **ES35** solution from mop bucket on the floor liberally with a string mop. **(Photo A)**

Make 4-6 passes with the **ES-FPP 800 Grit Diamond Pad**, overlapping 50% to ensure even scrubbing. **(Photo B)**

#### **RECOMMENDED SCRUBBING PATTERN:**

Make 2-3 passes moving in a North/South motion.

Make 2-3 additional passes moving in a East/West motion.

Move in a slow speed to ensure the pad is properly refining the surface.

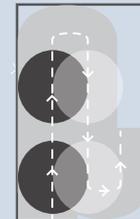
Pick up solution with a shop vac or slurry vacuum.



2-3 PASSES



2-3 PASSES



# Moderate Restoration

## Floor Machine + Mop & Bucket Application



### STEP 4 - ES-FPP 1500 GRIT DIAMOND PAD



Apply **ES35** solution from mop bucket on the floor liberally with a string mop. **(Photo A)**

Make 4-6 passes with the **ES-FPP 1500 Grit Diamond Pad**, overlapping 50% to ensure even scrubbing. **(Photo B)**

#### RECOMMENDED SCRUBBING PATTERN:

Make 2-3 passes moving in a North/South motion.

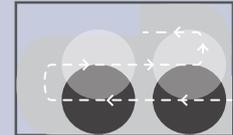
Make 2-3 additional passes moving in a East/West motion.

Move in a slow speed to ensure the pad is properly refining the surface.

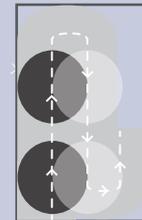
Pick up solution with a shop vac or slurry vacuum.



2-3 PASSES



2-3 PASSES



# Moderate Restoration

## Floor Machine + Mop & Bucket Application



### STEP 5 - ES-CMP 1500 GRIT DIAMOND PAD



Apply **ES35** solution from mop bucket on the floor liberally with a string mop. **(Photo A)**

Make 4-6 passes with the **ES-CMP 1500 Grit Diamond Pad**, overlapping 50% to ensure even scrubbing. **(Photo B)**

#### **RECOMMENDED SCRUBBING PATTERN:**

Make 2-3 passes moving in a North/South motion.

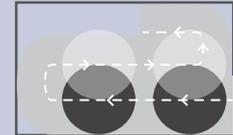
Make 2-3 additional passes moving in a East/West motion.

Move in a slow speed to ensure the pad is properly refining the surface.

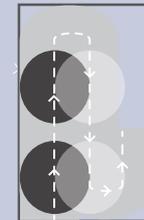
Pick up solution with a shop vac or slurry vacuum.



2-3 PASSES



2-3 PASSES



# Complete Restoration

6 step process (5 pads densification & restoration cleaner)

## Where and When to use:

When the polished and refined concrete or terrazzo floor has lost all of its original luster and is showing excessive wear and tear. Moderate to excessive etching and staining has occurred.

5 pad and substrate restrengthening process which includes a onetime application of **ES36 Nano Substrate Densifier**, **4 ES-FPP Foundation Prep Pads** and **1 ES-CMP Cleaner Maintainer Pad** used with **ES35 Restoration Cleaner** with either an Auto Scrubber or low speed floor machine.

Once complete, follow guidelines for ES Refined Concrete and Terrazzo Floor Maintenance Program per normal maintenance schedule.

STEP

1

Wet scrub with **ES35** and **200 ES-FPP** diamond pad



**ES35**  
Restoration Cleaner (1:128)



**200**  
Grit FPP Pad

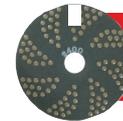
STEP

2

Wet scrub with **ES35** and **400 ES-FPP** diamond pad



**ES35**  
Restoration Cleaner (1:128)



**400**  
Grit FPP Pad

STEP  
**3**

Apply ES36 Nano Substrate Densifier as per label



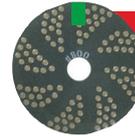
**ES36**  
Nano Substrate Densifier (1:4)

STEP  
**4**

Wet scrub with ES35 and 800 ES-FPP diamond pad



**ES35**  
Restoration Cleaner (1:128)



**800**  
Grit FPP Pad

STEP  
**5**

Wet scrub with ES35 and 1500 ES-FPP diamond pad



**ES35**  
Restoration Cleaner (1:128)



**1500**  
Grit FPP Pad

STEP  
**6**

Wet scrub with ES35 and 1500 ES-CMP diamond pad



**ES35**  
Restoration Cleaner (1:128)



**1500**  
Grit CMP Pad

# Complete Restoration

## Auto Scrubber Application



### MACHINE PREPARATION



Empty the solution tank and clean thoroughly to avoid cross contamination of chemicals.

Fill the solution tank with **ES35 Restoration Cleaner** at a ratio of 1:128 (1 oz of **ES35** / 1 gallon of water) (7.8 mL of **ES35** / 1 L of water)

>Example: a 10-gallon solution tank will need 10 oz of **ES35**

Affix **ES-FPP 200 Grit Diamond Pad(s)** to center lock pad driver(s) making sure the pad(s) have no wrinkles and are secure on the driver(s).

# Complete Restoration

## Auto Scrubber Application



### STEP 1 - ES-FPP 200 GRIT DIAMOND PAD



Make 4-6 passes with the **ES-FPP 200 Grit Diamond Pad**, overlapping 50% to ensure even scrubbing.

#### RECOMMENDED SCRUBBING PATTERN:

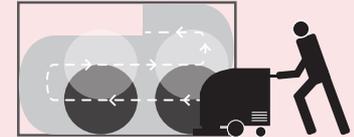
Make first and second pass moving in a North/South motion with squeegee in up position, water flow valve set to medium flow, walking at a slow pace. **(Photo A)**

Make third and fourth pass moving in a East/West motion with squeegee in up position, water flow valve set to low flow, walking in a slow pace.

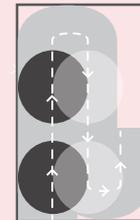
Make final fifth and sixth pass in a circular motion with squeegee in down position, vacuum motor on, water flow valve set to low, removing all the solution from the floor. **(Photo B)**



#### FIRST PASS



#### SECOND PASS



# Complete Restoration

## Auto Scrubber Application



### STEP 2 - ES-FPP 400 GRIT DIAMOND PAD



Make 4-6 passes with the **ES-FPP 400 Grit Diamond Pad**, overlapping 50% to ensure even scrubbing.

#### RECOMMENDED SCRUBBING PATTERN:

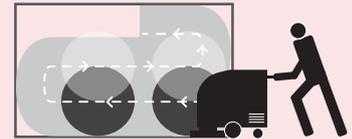
Make first and second pass moving in a North/South motion with squeegee in up position, water flow valve set to medium flow, walking at a slow pace. **(Photo A)**

Make third and fourth pass moving in a East/West motion with squeegee in up position, water flow valve set to low flow, walking in a slow pace.

Make final fifth and sixth pass in a circular motion with squeegee in down position, vacuum motor on, water flow valve set to low, removing all the solution from the floor. **(Photo B)**



#### FIRST PASS



#### SECOND PASS



**RECOMMENDED TIP:** After completing Step 2, clean the floor with the **ES35** solution in the mop bucket or scrubber with a **ES-CMP 400 Grit Pad**. Allow the floor to dry before the application of **ES36 Nano Substrate Densifier** (a floor fan can be used).

# Complete Restoration

## Auto Scrubber Application



### STEP 3 - ES36 NANO SUBSTRATE DENSIFIER



Dilute **ES36 Nano Substrate Densifier** 1:4 and place in a clean pump-up sprayer.

Apply **ES36** with a flat mop at a coverage rate of 500 sqft / gallon.

Spread **ES36** in an even application, avoiding pooling.

Ensure **ES36** is wet on the surface and continue to work the **ES36** into the substrate for 15 minutes, apply more where major absorption occurs.

Allow **ES36** to completely dry on surface. Dry time varies based on condition of substrate and location of area. Average dry time is around 30 mins to 1 hour.



ES36  
Nano Substrate Densifier



Dilution 1:4  
1 oz. ES36 per 4 oz. of cool water



Method  
Pump Sprayer or apply to a  
microfibre flat mop and blend



Continue to work the densifier into the substrate, apply more where major absorption occurs.



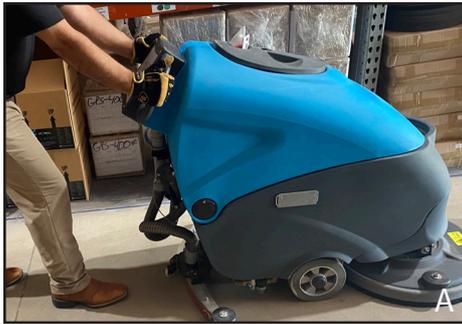
If the substrate is really porous, continue to apply **ES36** for up to 30 minutes for maximum penetration/protection. Allow up to 45 minutes for floor to dry before starting step 4.

# Complete Restoration

## Auto Scrubber Application



### STEP 4 - ES-FPP 800 GRIT DIAMOND PAD



Make 4-6 passes with the **ES-FPP 800 Grit Diamond Pad**, overlapping 50% to ensure even scrubbing.

#### RECOMMENDED SCRUBBING PATTERN:

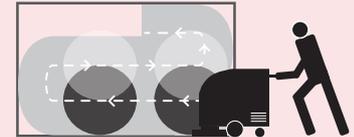
Make first and second pass moving in a North/South motion with squeegee in up position, water flow valve set to medium flow, walking at a slow pace. **(Photo A)**

Make third and fourth pass moving in a East/West motion with squeegee in up position, water flow valve set to low flow, walking in a slow pace.

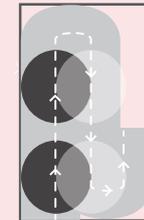
Make final fifth and sixth pass in a circular motion with squeegee in down position, vacuum motor on, water flow valve set to low, removing all the solution from the floor. **(Photo B)**



#### FIRST PASS



#### SECOND PASS



# Complete Restoration

## Auto Scrubber Application



### STEP 5 - ES-FPP 1500 GRIT DIAMOND PAD



Make 4-6 passes with the **ES-FPP 1500 Grit Diamond Pad**, overlapping 50% to ensure even scrubbing.

#### RECOMMENDED SCRUBBING PATTERN:

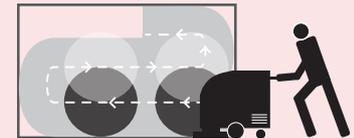
Make first and second pass moving in a North/South motion with squeegee in up position, water flow valve set to medium flow, walking at a slow pace. **(Photo A)**

Make third and fourth pass moving in a East/West motion with squeegee in up position, water flow valve set to low flow, walking in a slow pace.

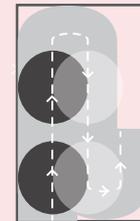
Make final fifth and sixth pass in a circular motion with squeegee in down position, vacuum motor on, water flow valve set to low, removing all the solution from the floor. **(Photo B)**



#### FIRST PASS



#### SECOND PASS

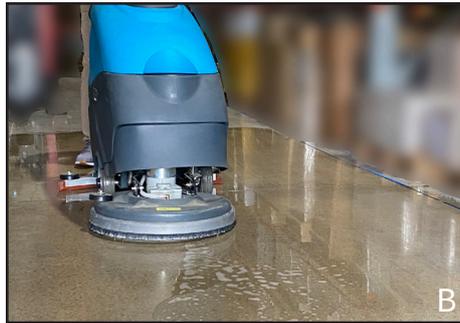


# Complete Restoration

## Auto Scrubber Application



### STEP 6 - ES-CMP 1500 GRIT DIAMOND PAD



Make 4-6 passes with the **ES-CMP 1500 Grit Diamond Pad**, overlapping 50% to ensure even scrubbing.

#### RECOMMENDED SCRUBBING PATTERN:

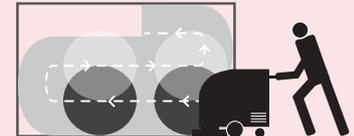
Make first and second pass moving in a North/South motion with squeegee in up position, water flow valve set to medium flow, walking at a slow pace. **(Photo A)**

Make third and fourth pass moving in a East/West motion with squeegee in up position, water flow valve set to low flow, walking in a slow pace.

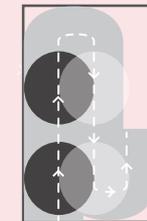
Make final fifth and sixth pass in a circular motion with squeegee in down position, vacuum motor on, water flow valve set to low, removing all the solution from the floor. **(Photo B)**



#### FIRST PASS



#### SECOND PASS



# Complete Restoration

## Floor Machine + Mop & Bucket Application



### MACHINE PREPARATION



Empty the mop bucket and clean thoroughly to avoid cross contamination of chemicals.

Fill the mop bucket with **ES35 Restoration Cleaner** at a ratio of 1:128 (1 oz of **ES35** / 1 gallon of water) (7.8 mL of **ES35** / 1 L of water)

>Example: a 10-gallon mop bucket will need 10 oz of **ES35**

Attach **ES-FPP 200 Grit Diamond Pad** to the pad driver and make sure that it is centered under the floor machine.

# Complete Restoration

## Floor Machine + Mop & Bucket Application



### STEP 1 - ES-FPP 200 GRIT DIAMOND PAD



Apply **ES35** solution from mop bucket on the floor liberally with a string mop. **(Photo A)**

Make 4-6 passes with the **ES-FPP 200 Grit Diamond Pad**, overlapping 50% to ensure even scrubbing. **(Photo B)**

#### **RECOMMENDED SCRUBBING PATTERN:**

Make 2-3 passes moving in a North/South motion.

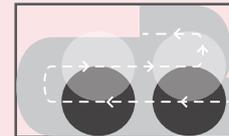
Make 2-3 additional passes moving in a East/West motion.

Move in a slow speed to ensure the pad is properly refining the surface.

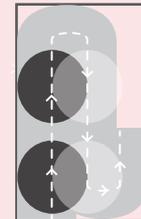
Pick up solution with a shop vac or slurry vacuum.



2-3 PASSES



2-3 PASSES



# Complete Restoration

## Floor Machine + Mop & Bucket Application



### STEP 2 - ES-FPP 400 GRIT DIAMOND PAD



Apply **ES35** solution from mop bucket on the floor liberally with a string mop. **(Photo A)**

Make 4-6 passes with the **ES-FPP 400 Grit Diamond Pad**, overlapping 50% to ensure even scrubbing. **(Photo B)**

#### RECOMMENDED SCRUBBING PATTERN:

Make 2-3 passes moving in a North/South motion.

Make 2-3 additional passes moving in a East/West motion.

Move in a slow speed to ensure the pad is properly refining the surface.

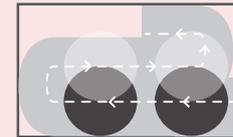
Pick up solution with a shop vac or slurry vacuum.



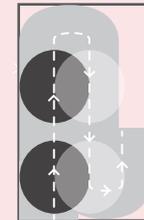
**RECOMMENDED TIP:** After completing Step 2, clean the floor with the **ES35** solution in the mop bucket or scrubber with a **ES-CMP 400 Grit Pad**. Allow the floor to dry before the application of **ES36 Nano Substrate Densifier** (a floor fan can be used).



2-3 PASSES



2-3 PASSES



# Complete Restoration

## Floor Machine + Mop & Bucket Application



### STEP 3 - ES36 NANO SUBSTRATE DENSIFIER



Dilute **ES36 Nano Substrate Densifier** 1:4 and place in a clean pump-up sprayer.

Apply **ES36** with a flat mop at a coverage rate of 500 sqft / gallon.

Spread **ES36** in an even application, avoiding pooling.

Ensure **ES36** is wet on the surface and continue to work the **ES36** into the substrate for 15 minutes, apply more where major absorption occurs.

Allow **ES36** to completely dry on surface. Dry time varies based on condition of substrate and location of area. Average dry time is around 30 mins to 1 hour.



ES36  
Nano Substrate Densifier



Dilution 1:4  
1 oz. ES36 per 4 oz. of cool water



Method  
Pump Sprayer or apply to a  
microfibre flat mop and blend



Continue to work the densifier into the substrate, apply more where major absorption occurs.



If the substrate is really porous, continue to apply **ES36** for up to 30 minutes for maximum penetration/protection. Allow up to 45 minutes for floor to dry before starting step 4.

# Complete Restoration

## Floor Machine + Mop & Bucket Application



### STEP 4 - ES-FPP 800 GRIT DIAMOND PAD



Apply **ES35** solution from mop bucket on the floor liberally with a string mop. **(Photo A)**

Make 4-6 passes with the **ES-FPP 800 Grit Diamond Pad**, overlapping 50% to ensure even scrubbing. **(Photo B)**

#### **RECOMMENDED SCRUBBING PATTERN:**

Make 2-3 passes moving in a North/South motion.

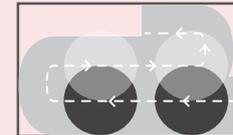
Make 2-3 additional passes moving in a East/West motion

Move in a slow speed to ensure the pad is properly refining the surface.

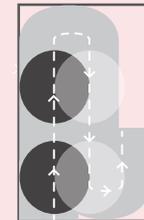
Pick up solution with a shop vac or slurry vacuum.



2-3 PASSES



2-3 PASSES



# Complete Restoration

## Floor Machine + Mop & Bucket Application



### STEP 5 - ES-FPP 1500 GRIT DIAMOND PAD



Apply **ES35** solution from mop bucket on the floor liberally with a string mop. **(Photo A)**

Make 4-6 passes with the **ES-FPP 1500 Grit Diamond Pad**, overlapping 50% to ensure even scrubbing. **(Photo B)**

#### **RECOMMENDED SCRUBBING PATTERN:**

Make 2-3 passes moving in a North/South motion.

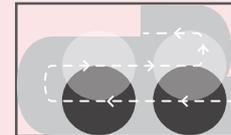
Make 2-3 additional passes moving in a East/West motion.

Move in a slow speed to ensure the pad is properly refining the surface.

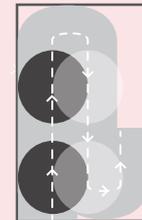
Pick up solution with a shop vac or slurry vacuum.



2-3 PASSES



2-3 PASSES



# Complete Restoration

## Floor Machine + Mop & Bucket Application



### STEP 6 - ES-CMP 1500 GRIT DIAMOND PAD



Apply **ES35** solution from mop bucket on the floor liberally with a string mop. **(Photo A)**

Make 4-6 passes with the **ES-CMP 1500 Grit Diamond Pad**, overlapping 50% to ensure even scrubbing. **(Photo B)**

#### **RECOMMENDED SCRUBBING PATTERN:**

Make 2-3 passes moving in a North/South motion.

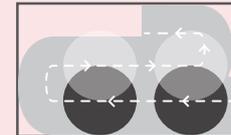
Make 2-3 additional passes moving in a East/West motion.

Move in a slow speed to ensure the pad is properly refining the surface.

Pick up solution with a shop vac or slurry vacuum.



2-3 PASSES



2-3 PASSES

