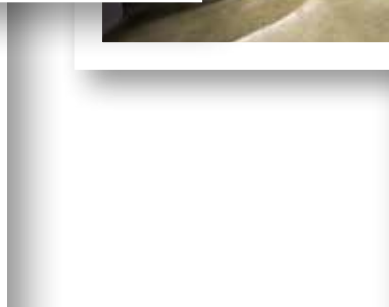




# PRODUCT CATALOG



<i>Packaging.....</i>	<i>3</i>	<i>EnviroStar Green.....</i>	<i>22</i>
<i>Floor Finishes.....</i>	<i>4</i>	<i>Corded &amp; Battery Machines.....</i>	<i>26</i>
<i>Sealers &amp; Maintainers.....</i>	<i>7</i>	<i>Propane Machines.....</i>	<i>28</i>
<i>Floor Strippers.....</i>	<i>8</i>	<i>Propane Safety Features.....</i>	<i>30</i>
<i>Wood Floor Care.....</i>	<i>10</i>	<i>Auto Scrubbers.....</i>	<i>31</i>
<i>Concrete &amp; Terrazzo Floor Care.....</i>	<i>12</i>	<i>Wood Floor Sanders.....</i>	<i>32</i>
<i>Carpet Care.....</i>	<i>13</i>	<i>Dust Containment Systems.....</i>	<i>33</i>
<i>Cleaners &amp; Degreasers.....</i>	<i>14</i>	<i>Concrete Machines.....</i>	<i>34</i>
<i>Sanitation &amp; Restroom.....</i>	<i>16</i>	<i>Concrete Program.....</i>	<i>36</i>
<i>Private Label.....</i>	<i>18</i>	<i>Diamond Grinding &amp; Polishing Tools.....</i>	<i>37</i>
<i>AquapHyll.....</i>	<i>19</i>	<i>Training.....</i>	<i>39</i>

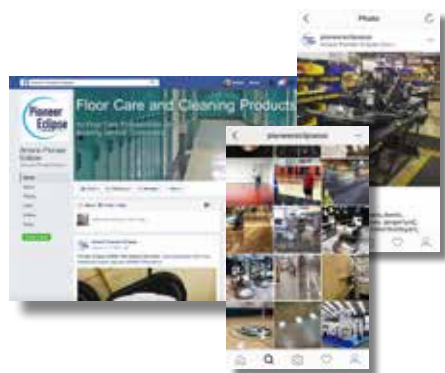
## CUSTOMER SERVICE

Here at Amano Pioneer Eclipse, we offer world class customer service for all of our products.

Contact us by phone by calling

1-800-367-3550 (U.S) or +1 336-372-8080 (international).

You can also reach us by going to [www.pioneereclipse.com/contact](http://www.pioneereclipse.com/contact) and filling out a quick form and we will respond as soon as we can.



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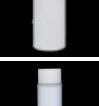



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[www.americansanders.com](http://www.americansanders.com)

## Chemical Packaging Conventions

Each container is labeled with product information that includes:

Application and usage instructions • chemical ingredients • safety information • product name • volume • code

		Description	Volume	Case Quantity	Pallet Quantity
	<b>FS</b>	Plastic bottle used for large volume chemicals.	2.5 US gallons (9,5 liters)	2 per case	48
	<b>FSE</b>	Plastic bottle used for large volume chemicals. Label instructions appear in eight languages.	2.64 US gallons (10 liters)	2 per case	48
	<b>MP</b>	Portable plastic bottle.	1.06 US gallons (4 liters)	4 per case	48
	<b>MPE</b>	Portable plastic bottle. Label instructions appear in eight languages.	1.06 US gallons (4 liters)	4 per case	48
	<b>GL3</b>	Portable plastic, wide-mouth bottle.	1 US gallon (3.8 liters)	3 per case	60
	<b>D</b>	Used in the AquapHyll dilution control system.	1.06 US gallons (4 liters)	4 per case	48
	<b>DTC</b>	Used in the AquapHyll dilution control system.	0.53 US gallons (2 liters)	4 per case	88
	<b>DD</b>	Squeezable plastic bottle with integral 2 oz. (59 ml) dosing cap.	0.50 US gallons (1,9 liters)	3 per case	112
	<b>RTU</b>	Ready-to-use ("RTU") bottle with trigger sprayer.	32 US ounces (946 ml)	12 per case	44
	<b>Q12</b>	Squeezable plastic bottle with flip top spout.	32 US ounces (946 ml)	12 per case	44
	<b>A12</b>	Ready-to-use ("RTU") aerosol can.	Product specific	12 per case	72
	<b>PL5</b>	Plastic bucket used for storing and shipping large volumes.	5 US gallons (19 liters)	Per unit	36
	<b>DR</b>	Plastic drum for storing and shipping large volumes.	55 US gallons (208 liters)	Per unit	4

# FLOOR FINISHES



## OmniGuard™

Designed with the latest polymer and floor finish technology, OmniGuard produces a spectacular off-the-mop shine. This 25% high solids finish is ideal for high traffic and high maintenance facilities like schools and retail stores, but it also holds its shine incredibly well in low maintenance applications.



### DAYSTAR™

FOR VCT, VINYL & HARD FLOORS



- 26% total solids
- 20% non-volatile solids
- High gloss coating
- APEO free
- For burnishing 3-5 days a week



**Product Number\*:**  
109FS, 109FSE, 109DR

### DIAMOND SHINE™

FOR VCT, VINYL & HARD FLOORS



- 24% total solids
- 18% non-volatile solids
- High gloss coating
- APEO free
- For burnishing 3-5 days a week



**Product Number\*:**  
104FS, 104MPE, 104FSE, 104DR

### ECLIPSE™ HARD FLOOR COATING

FOR VCT, VINYL & HARD FLOORS



- 25% total solids
- 19% non-volatile solids
- High gloss coating
- Urethane fortified
- APEO free
- For burnishing 4-7 days a week



**Product Number\*:**  
105FS, 105MPE, 105FSE

### ENVIROSTAR GREEN™ FLOOR COATING

FOR VCT, VINYL, LINOLEUM, MARMOLEUM & HARD FLOORS



- 22% total solids
- 20% non-volatile solids
- High gloss coating
- APEO free
- For burnishing 3-5 days a week
- Green formula



**Product Number\*:**  
113FS, 113MPE

### ENVIROSTAR GREEN™ HARD FLOOR COATING

FOR VCT, VINYL, LINOLEUM, MARMOLEUM & HARD FLOORS



- 23% total solids
- 20% non-volatile solids
- High gloss coating
- Urethane fortified
- For burnishing 4-7 days a week
- APEO free
- Green formula



**Product Number\*:**  
128FS, 128MPE

### ENVIROSTAR GREEN™ HS25

FOR VCT, VINYL, LINOLEUM, MARMOLEUM & HARD FLOORS



- 28% total solids
- 25% non-volatile solids
- High gloss coating
- For burnishing 4-7 days a week
- APEO free
- Green formula



**Product Number\*:**  
124FS, 124MPE

## ENVIROSTAR GREEN™ LOW MAINTENANCE

FOR VCT, VINYL, LINOLEUM, MARMOLEUM  
& HARD FLOORS



- 22% total solids
- 20% non-volatile solids
- High gloss coating
- APEO free
- For burnishing 0-2 days a week
- Green formula



**Product Number\*:**  
123FS, 123MPE

## ENVIROSTAR GREEN™ SATIN

FOR VCT, VINYL, LINOLEUM, MARMOLEUM  
& HARD FLOORS



- 19% total solids
- 16% non-volatile solids
- Non-Glare, Satin Coating
- Green formula
- APEO free



**Product Number\*:**  
125FS, 125MPE

## EQUINOX™

FOR VCT, VINYL & HARD FLOORS



- 29% total solids
- 22% non-volatile solids
- High gloss coating
- APEO free
- For burnishing 4-7 days a week



**Product Number\*:**  
103FS, 103MPE, 103FSE, 103DR

## EQUINOX HG™

FOR VCT, VINYL & HARD FLOORS



- 28% total solids
- 22% non-volatile solids
- High gloss coating
- APEO free
- For burnishing 4-7 days a week



**Product Number\*:**  
139FS, 139MPE, 139PL5, 139DR

## FLOORMATTE™

FOR VCT, VINYL, LINOLEUM, MARMOLEUM  
& HARD FLOORS



- 22% total solids
- 16% non-volatile solids
- Non-glare coating
- APEO free



**Product Number\*:**  
114FS, 114MPE, 114FSE

## OMNIGUARD™

FOR VCT, VINYL & HARD FLOORS



- 32% total solids
- 25% non-volatile solids
- High gloss coating
- APEO free
- For burnishing 4-7 days a week



**Product Number\*:**  
141FS, 141MP, 141FSE, 141DR

## REVOLUTION 2000™

FOR VCT, VINYL AND HARD FLOORS



- 34% total solids
- 28% non-volatile solids
- High gloss coating
- For burnishing 4-7 days a week



**Product Number\*:**  
116FS, 116MPE, 116FSE

## SOLSTICE™

FOR VCT, VINYL & HARD FLOORS



- 25% total solids
- 20% non-volatile solids
- High gloss coating
- APEO free
- For burnishing 0-2 days a week



**Product Number\*:**  
140FS, 140MPE, 140 FSE

## STABRITE™

FOR VCT, VINYL & HARD FLOORS



- 26% total solids
- 20% non-volatile solids
- High gloss coating
- APEO free
- For burnishing 0-2 days a week



**Product Number\*:**  
130FS, 130MPE, 130FSE, 130DR

## TOTAL ECLIPSE™

FOR VCT, VINYL & HARD FLOORS



- 26.3% total solids
- 22% non-volatile solids
- High gloss coating
- APEO free
- For burnishing 3-5 days a week



**Product Number\*:**  
138FS, 138FSE

## WONDERGLO™

FOR VCT, VINYL AND HARD FLOORS



- 28% total solids
- 22% non-volatile solids
- High gloss coating
- APEO free
- For burnishing 0-2 days a week



**Product Number\*:**  
127FS, 127MPE, 127FSE, 127DR

\*Product packaging conventions available on page 3 of this catalog.

## FLOOR FINISH COMPARISON CHART

PRODUCT NAME	PRODUCT #	SHEEN	NON-VOLATILE SOLIDS	BURNISHING DAYS PER WEEK
<b>Conventional Formula:</b>				
Revolution 2000	116	High Gloss	28%	4 to 7
OmniGuard	141	High Gloss	25%	4 to 7
Equinox	103	High Gloss	22%	4 to 7
Equinox HG	139	High Gloss	22%	4 to 7
Total Eclipse	138	High Gloss	22%	3 to 5
WonderGlo	127	High Gloss	22%	0 to 2
Daystar	109	High Gloss	20%	3 to 5
Solstice	140	High Gloss	20%	0 to 2
Stabrite	130	High Gloss	20%	0 to 2
Eclipse Hard Floor Coating	105	High Gloss	19%	4 to 7
Diamond Shine	104	High Gloss	18%	3 to 5
Floormatte	114	Non-Glare Matte	16%	
<b>Green Formula:</b>				
EnviroStar Green HS25	124	High Gloss	25%	4 to 7
EnviroStar Green Hard Floor Coating	128	High Gloss	20%	4 to 7
EnviroStar Green Floor Coating	113	High Gloss	20%	3 to 5
EnviroStar Green Low Maintenance	123	High Gloss	20%	0 to 2
EnviroStar Green Satin	125	Non-Glare Satin	16%	



## Rebound™

Rebound Floor Cleaner and Enhancer is a multi-purpose product which helps reduce the labor needed to maintain coated VCT, wood, and hard floor surfaces. Designed for use as a mop-on or automatic scrubber product, Rebound cleans and enhances floors in one step.

### ENVIROSTAR GREEN™ FLOOR MAINTAINER

FOR VCT, HARD FLOORS, & SEALED WOOD FLOORS



- 12% total solids
- 12% non-volatile solids
- 48% non-volatile solids, 211DD and 211DTC
- Restores wet-look shine

**Product Number\*:**  
213DD, 213DTC, 213FS, 213MPE



### EXTEND™ FLOOR MAINTAINER

FOR VCT, VINYL & HARD FLOORS



- 38% total solids
- 30% non-volatile solids
- Produces wet-look gloss

**Product Number\*:**  
201FS, 201MPE, 201FSE



### REBOUND™ FLOOR CLEANER & ENHANCER

FOR VCT, HARD FLOORS, & SEALED WOOD FLOORS



- 11% total solids
- 11% non-volatile solids
- 44% non-volatile solids, 211DD and 211DTC
- Produces wet-look shine with burnishing

**Product Number\*:**  
211D, 211DD, 211DTC, 211FS, 211MPE, 221FSE



### ECLIPSE™ HARD FLOOR SEALER

FOR HARD FLOORS



- 29% total solids
- 19% non-volatile solids
- Water-based formula
- APEO free

**Product Number\*:**  
403FS, 403MPE, 403FSE



### ECLIPSE™ MATTE HARD FLOOR SEALER

FOR HARD FLOORS



- 23% total solids
- 19% non-volatile solids
- Water-based acrylic

**Product Number\*:**  
412FS



### ENVIROSTAR GREEN™ FLOOR SEALER

FOR VCT



- 25% total solids
- 22% non-volatile solids
- Water-based formula
- Green formula

**Product Number\*:**  
413FS, 413MPE



### FIRST STEP™ FLOOR SEALER

FOR VCT



- 22% total solids
- 18% non-volatile solids
- Water-based formula

**Product Number\*:**  
401FS, 401MPE, 401FSE



### PRIMESTAR™ BASE COAT

FOR VCT & HARD FLOORS



- 28% total solids
- 22% non-volatile solids
- APEO free

**Product Number\*:**  
409FS, 409MPE, 409FSE



\*Product packaging conventions available on page 3 of this catalog.

## Flash 55™

With the industry's move toward less frequent strip out cycles and more frequent scrub and recoats, many strip jobs now require the removal of 20 or more coats of finish. Flash 55™, with its high actives content and high concentration formula, is the answer to these tough applications.



## FLOOR STRIPPER COMPARISON CHART

PRODUCT NAME	PRODUCT #	FORMULA	FRAGRANCE
<b>Conventional Formula:</b>			
Eclipse Low Odor Floor Stripper	510	Non-Butyl Based	No Fragrance
EZ-Strip Low Odor Floor Stripper <i>(For slow drying stripping)</i>	517	Butyl Based, Low Butyl Content	No Fragrance
Final Strip HD	502	Butyl Based, Non-Ammoniated	Slight Lemon
Flash 55 <i>(Fast Acting)</i>	516	Butyl Based	Floral
Formula X	503	Butyl Based	Citrus
Formula X-Treme <i>(Highly Concentrated)</i>	549	Butyl Based	No Fragrance
<b>Green Formula:</b>			
EnviroStar Green Low Odor Floor Stripper	515	Non-Butyl Based	No Fragrance



## ECLIPSE™ LOW ODOR FLOOR STRIPPER

FOR VCT & HARD FLOORS



- Non-butyl based formula
- 1:6 dilution for heavy coating removal
- 1:8 dilution for normal coating removal
- 1:10 dilution for light coating removal
- pH: 12.4
- Low odor, no fragrance added

**Product Number\*:**  
510FS, 510MP, 510MPE, 510FSE

## ENVIROSTAR GREEN™ ALL PURPOSE NEUTRALIZER

FOR VCT & HARD FLOORS



- 1:64 dilution for resilient tile
- 1:10 dilution for hard floors
- pH: 2.2
- No fragrance added
- Green formula

**Product Number\*:**  
338MPE

## ENVIROSTAR GREEN™ LOW ODOR FLOOR STRIPPER

FOR VCT, VINYL, LINOLEUM, MARMOLEUM & HARD FLOORS



- Non-butyl based formula
- 1:4 dilution for heavy coating removal
- 1:8 dilution for normal coating removal
- 1:10 dilution for light coating removal
- pH: 10.9
- No fragrance added
- Green formula

**Product Number\*:**  
515FS, 515MP, 515MPE

## EZ-STRIP™ LOW ODOR FLOOR STRIPPER

FOR VCT, VINYL, LINOLEUM, MARMOLEUM & HARD FLOORS



- Butyl based formula with low butyl content
- 1:4 dilution for heavy coating removal
- 1:6 dilution for normal coating removal
- 1:8 dilution for light coating removal
- Low odor, no fragrance added
- pH: 12.5
- Slow drying

**Product Number\*:**  
517FS, 517MP

## FINAL STRIP HD™ FLOOR STRIPPER

FOR VCT, VINYL & HARD FLOORS



- Non-ammoniated, butyl based formula
- 1:4 dilution for heavy coating removal
- 1:6 dilution for normal coating removal
- 1:8 dilution for light coating removal
- pH: 12.6
- Slight lemon fragrance

**Product Number\*:**  
502FS, 502MP, 502MPE, 502FSE

## FLASH 55™ FLOOR STRIPPER

FOR VCT & HARD FLOORS



- Butyl based formula
- 1:4 dilution for heavy coating removal
- 1:6 dilution for normal coating removal
- 1:8 dilution for light coating removal
- pH: 11.5
- Floral fragrance
- Fast acting

**Product Number\*:**  
516FS, 516MP, 516FSC

## FORMULA X™ FLOOR STRIPPER

FOR VCT, VINYL & HARD FLOORS



- Butyl based formula
- 1:4 dilution for heavy coating removal
- 1:6 dilution for normal coating removal
- 1:8 dilution for light coating removal
- pH: 12.2
- Citrus fragrance
- Fast acting

**Product Number\*:**  
503A12, 503FS, 503MP, 503MPE, 503FSE, 503FSC, 503DR

## FORMULA X-TREME™ FLOOR STRIPPER

FOR VCT & HARD FLOORS



- Highly concentrated formula
- 1:20 dilution ratio for heavy coating removal
- 1:30 dilution ratio for normal coating removal
- 1:40 dilution ratio for light coating removal
- Butyl based formula
- Non-ammoniated formula
- pH: 11.5
- Low odor, no fragrance added
- Cold water formula

**Product Number\*:**  
549FS, 549MP, 549MPE, 549FSE

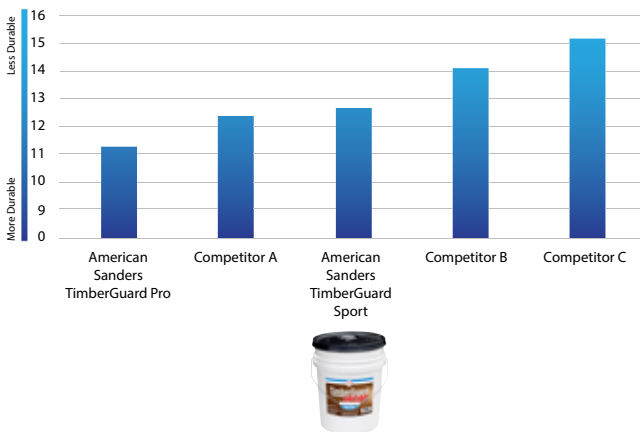
## TimberGuard™

TimberGuard is a single component, water based urethane wood floor coating that is ideal for high-traffic floors in commercial and residential settings. TimberGuard is a highly durable coating available in satin, semi gloss, and high gloss sheens.

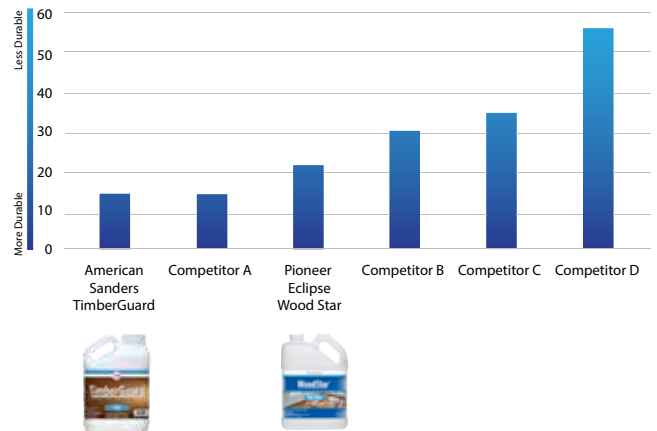


## TimberGuard Hardwood Floor Finish outperforms the leading competitors in Taber Abrasion testing.

Taber Abrasion Test (Total mg Lost)



Taber Abrasion Test (Total mg Lost)



These Taber Abrasion Tests utilized rubber abrading wheels to measure the durability of each coating. This blind test, performed by an independent lab, used 500mg CS-10 wheels for 1000 cycles. Low product loss equates to high product durability.

## TIMBERGUARD LINE

### POLYURETHANE WOOD FLOOR FINISH

#### TIMBERSEAL™ FOR WOOD FLOORS



- 34% non-volatile solids
- Low VOC formula
- Water based

Product Number\*:  
709GL3

#### TIMBERSEAL™ SPORT FOR WOOD FLOORS



- 34% non-volatile solids
- Low VOC formula
- Water based
- Slow drying formula

Product Number\*:  
716PL5

#### TIMBERGUARD™ FOR WOOD FLOORS



- 32% non-volatile solids
- Oxidative cross-linked
- Water based polyurethane coating
- Available in satin, semi gloss and high gloss

Product Number\*:  
Satin: 706SGL3  
Semi Gloss: 706SGGL3  
High Gloss: 706HGGL3, 706HGFS

#### TIMBERGUARD™ SPORT FOR WOOD FLOORS



- 30% non-volatile solids
- High-gloss coating
- Aziridine cross-linked
- Water based polyurethane coating

Product Number\*:  
710HGPL5

#### TIMBERCLEAN™ DAILY FOR WOOD FLOORS



- Environmentally friendly
- Evaporates quickly
- Ready to use
- Leaves no residue while effectively removing dirt

Product Number\*:  
712Q12

#### TIMBERCLEAN™ FOR WOOD FLOORS



- Leaves no residue
- Evaporates quickly
- Concentrated 1:4 formulation

Product Number\*:  
713GL3

#### TIMBERCLEAN™ DEEP SCRUB FOR WOOD FLOORS



- Butyl and alcohol based
- Breaks down residual film formations
- Evaporates quickly
- Concentrated 1:4 formulation

Product Number\*:  
714GL3

## WOODSTAR LINE

### ACRYLIC WOOD FLOOR FINISH

#### WOODPRIME™ SEALER FOR WOOD FLOORS



- 32% total solids
- 25% non-volatile solids

Product Number\*:  
701FS



#### WOODSTAR™ FOR WOOD FLOORS



- 39% total solids
- 32% non-volatile solids
- Available in satin, semi gloss and high gloss

Product Number\*:  
Satin: 702SFS, 702SMPE  
Semi Gloss: 702SGFS, 702SGMPE  
High Gloss: 702HGFS, 702HGMPE



\*Product packaging conventions available on page 3 of this catalog.

# CONCRETE & TERRAZZO FLOOR CARE



## LockOut™

LockOut is a micro-film forming surface treatment that hardens and protects the floor. It creates a breathable, ultra-hard, water and dust repellent surface. The formulation is an acrylic polymer and colloidal lithium blend that offers superior stain protection and the ability to burnish the floor to a high gloss shine.

### RECLAIM™ HARD FLOOR CLEANER & MAINTAINER FOR HARD FLOORS



- 1:64 dilution ratio
- pH: 9.0
- Lemon-lime fragrance

**Product Number\*:**  
354FS, 354MPE, 354DD

### HARDCORE™ DENSIFYING TREATMENT FOR HARD FLOORS



- For concrete, terrazzo, marble & quarry tile
- Ready to use as supplied
- pH: 11.0
- No fragrance added

**Product Number\*:**  
422FS, 422FSE

### LOCKOUT™ HARD FLOOR PROTECTOR FOR HARD FLOORS



- For concrete, terrazzo, marble & quarry tile
- Ready to use as supplied
- pH: 10.5
- No fragrance added

**Product Number\*:**  
423FS, 423FSE



## Eclipse™ Carpet All Purpose Defoamer

An all purpose defoamer ideal for use in carpet extractors to control foaming. This product can also be used to control foaming in strip vacuums and auto scrubbers.

### ECLIPSE™ CARPET ALL PURPOSE DEFOAMER FOR CARPET



- Ready to use formula
- pH: 9.3
- No fragrance added

**Product Number\*:**  
804RTU, 804MPE

### ENVIROSTAR GREEN™ ALL PURPOSE CARPET SPOTTER FOR CARPET



- 1:8 dilution
- pH: 10.5
- No fragrance added
- Green formula

**Product Number\*:**  
833MPE

### ENVIROSTAR GREEN™ CARPET EXTRACTION RINSE FOR CARPET



- 1:128 dilution
- pH: 2.2
- No fragrance added
- Green formula

**Product Number\*:**  
838MPE

### ENVIROSTAR GREEN™ CARPET EXTRACTOR & PRE-SPRAY CLEANER FOR CARPET



- 1:128 dilution
- pH: 9.5
- No fragrance added
- Green formula

**Product Number\*:**  
831MPE

### ENVIROSTAR GREEN™ SOIL RELEASE BONNET BUFF FOR CARPET



- 1:32 dilution
- pH: 8.5
- No fragrance added
- Green formula

**Product Number\*:**  
835MPE

### ODOR HOUND™ ODOR NEUTRALIZER & SPOTTER FOR CARPET



- Ready to use formula
- pH: 6.5
- Clean cotton fragrance

**Product Number\*:**  
807RTU

\*Product packaging conventions available on page 3 of this catalog.

## NeutraFresh™

An economical neutral formula cleaner for all washable surfaces. Cleans and deodorizes in a single step. Leaves a fresh lavender fragrance behind for a “fresh & clean” customer experience. Dilution rate of 1:64 (2 oz/gal) makes it cost effective for manual filling of mop buckets or spray bottles. Use on floors, walls, and all hard surfaces.



## BLINK™ GLASS & SURFACE CLEANER

FOR MIRRORS, TILES & METALS



- 1:64 dilution ratio
- pH: 6.0
- No fragrance added

**Product Number\*:**  
341DTC, 341RTUMPE, 341RTU

## CLS HARD FLOOR CLEANER & MAINTAINER

FOR HARD FLOORS



- 1:64 dilution ratio
- pH: 7.0
- No fragrance added

**Product Number\*:**  
344FS, 344MPE, 344DTC, 344DD

## ECLIPSE™ D-LIMONENE DEGREASER

FOR ALL WASHABLE SURFACES



- 1:64 dilution ratio for light degreasing
- 1:32 dilution ratio for medium degreasing
- 1:16 dilution ratio for heavy degreasing
- pH: 12.5
- Citrus fragrance

**Product Number\*:**  
314MP, 314MPE

## ECLIPSE™ HEAVY DUTY DEGREASER

FOR ALL WASHABLE SURFACES



- 1:64 dilution ratio for light degreasing
- 1:32 dilution ratio for medium degreasing
- 1:8 dilution ratio for heavy degreasing
- 1:4 dilution ratio for very heavy degreasing
- pH: 12.5
- Sassafras fragrance

**Product Number\*:**  
396DTC, 396FS, 396MP, 396MPE

## ECLIPSE™ NEUTRAL CLEANER

FOR ALL WASHABLE SURFACES



- 1:128 dilution ratio for light cleaning
- 1:32 dilution ratio for heavy cleaning
- pH: 9.5
- Available in two fragrances: floral or slight lemon

**Lemon Product Number\*:**  
301D, 301DD, 301DTC, 301FS, 301MPE, 301FSE, 301DR  
**Floral Product Number\*:**  
301NDTC, 301NFS, 301NMPE

## ECLIPSE™ X-TREME ALL PURPOSE CLEANER

FOR VCT & HARD FLOORS



- 1:512 dilution ratio for light cleaning
- 1:256 dilution ratio for medium cleaning
- 1:128 dilution ratio for heavy cleaning
- pH: 12.4
- Fresh & Clean fragrance
- No residue, low foaming

**Product Number\*:**  
343DD

## ENVIROSTAR GREEN™ ALL PURPOSE CLEANER

FOR ALL WASHABLE SURFACES



- 1:128 dilution ratio for light cleaning
- 1:64 dilution ratio for medium cleaning
- 1:32 dilution ratio for heavy cleaning
- pH: 7.0
- No fragrance added
- Concentrated 1:512 formula available in DD
- Green formula

**Product Number\*:**  
330D, 330DD, 330MPE

## ENVIROSTAR GREEN™ ALL PURPOSE NEUTRALIZER

FOR VCT & HARD FLOORS



- 1:64 dilution ratio for resilient tile
- 1:10 dilution ratio for hard floors
- pH: 2.2
- No fragrance added
- Green formula

**Product Number\*:**  
338MPE

## ENVIROSTAR GREEN™ GLASS & SURFACE CLEANER

FOR ALL WASHABLE SURFACES



- 1:32 dilution ratio
- pH: 9.0
- No fragrance added
- Green formula

**Product Number\*:**  
331MPE, 331D

## ENVIROSTAR GREEN™ PEROXIDE CLEANER

FOR ALL WASHABLE SURFACES



- 1:64 dilution ratio for light cleaning
- 1:20 dilution ratio for medium cleaning
- 1:20 dilution ratio for heavy cleaning
- pH: 8.0
- No fragrance added
- Green formula

**Product Number\*:**  
335D, 335DTC, 335MP, 335MPE

## ENVIROSTAR GREEN™ SPRAY & WIPE DEGREASER

FOR ALL WASHABLE SURFACES



- 1:8 dilution ratio
- pH: 10.5
- No fragrance added
- Green formula

**Product Number\*:**  
332D

## ENVIROSTAR GREEN™ ULTRA ALL PURPOSE CLEANER

FOR ALL WASHABLE SURFACES



- 1:1024 dilution ratio for light cleaning
- 1:512 dilution ratio for medium cleaning
- 1:256 dilution ratio for heavy cleaning
- pH: 10.5
- No fragrance added
- Green formula

**Product Number\*:**  
339D, 339DD, 339DTC

## LASERSHOT™ SPRAY & WIPE DEGREASER

FOR ALL WASHABLE SURFACES



- 1:6 dilution ratio
- pH: 12.0
- Spearmint fragrance

**Product Number\*:**  
323D, 323MP, 323MPE, 323RTU

## NEUTRAFRESH™ ALL PURPOSE CLEANER

FOR ALL WASHABLE SURFACES



- 1:64 dilution ratio for normal cleaning
- 1:32 dilution ratio for heavy cleaning
- pH: 8.0
- Lavender fragrance

**Product Number\*:**  
345FS, 345MPE, 345FSE, 345DTC,  
345Q12, 345D, 345DR

## NEUTRAZENE™ MALODOR COUNTERACTANT

FOR ALL WASHABLE SURFACES



- 1:16 dilution ratio
- pH: 7.0
- Floral fragrance
- Deodorizes surfaces or air

**Product Number\*:**  
325D, 325DTC, 325MP, 325MPE,  
325RTU

## REBOOT™ DEEP SCRUB CLEANER

FOR ALL WASHABLE SURFACES



- 1:64 dilution ratio for removal of 1-2 coats
- 1:32 dilution ratio for removal of 3-4 coats
- pH: 12.5
- Lemon lime fragrance

**Product Number\*:**  
342FS, 342MP, 342MPE

## STARSHINE™ STAINLESS STEEL CLEANER

FOR STAINLESS STEEL, BRASS, COPPER & METAL SURFACES



- Aerosol cleaner
- Ready to use formula
- Citrus fragrance

**Product Number\*:**  
319A12

\*Product packaging conventions available on page 3 of this catalog.



## Triton XLC™

Triton XLC bathroom cleaner and disinfectant is a no-rinse neutral pH disinfectant cleaner that disinfects, cleans and deodorizes in one labor-saving step. It is the superb cleaning power against germs and odors.



## CRÈME CLEANSER TOILET BOWL CLEANER (RTU) FOR TOILET BOWLS & URINALS



- Ready to use as supplied
- pH: 8.7
- Mint fragrance

**Product Number\*:**  
3047Q12

## ECLIPSE™ AURORA HB™ GERMICIDAL DISINFECTANT FOR ALL WASHABLE SURFACES



- 1:64 dilution ratio
- pH: 11.5
- Fresh, clean fragrance

**Product Number\*:**  
605DTC, 605FS, 605MP, 605D, 605DTCC

## ENVIROSTAR GREEN™ MILD-ACID RESTROOM CLEANER FOR ALL WASHABLE SURFACES



- 1:16 dilution ratio
- pH: 2.5
- No fragrance added
- Green formula

**Product Number:**  
333D, 333DTC, 333MPE

## ENVIROSTAR GREEN™ NON-ACID WASHROOM CLEANER FOR ALL WASHABLE SURFACES



- 1:16 dilution ratio
- pH: 10.5
- No fragrance added
- Green formula

**Product Number:**  
334D, 334DTC, 334MPE

## NEUTRAQUAT 256™ GERMICIDAL DISINFECTANT FOR ALL WASHABLE SURFACES



- 1:256 dilution ratio
- pH: 7.3
- Fresh cherry fragrance

**Product Number\*:**  
613D, 613DTC, 613FS, 613MP, 613PL5,  
613DR

## NEUTRAZENE™ MALODOR COUNTERACTANT FOR ALL WASHABLE SURFACES



- 1:16 dilution ratio
- pH: 7.0
- Floral fragrance
- Deodorizes surfaces or air

**Product Number\*:**  
325D, 325MP, 325MPE, 325RTU, 325DTC

## NON-ACID DISINFECTANT RESTROOM CLEANER (RTU) FOR ALL WASHABLE SURFACES



- Ready to use as supplied
- pH: 8.0
- Floral fragrance

**Product Number\*:**  
3048Q12

## NOVA™ GERMICIDAL DISINFECTANT FOR ALL WASHABLE SURFACES



- 1:32 dilution ratio
- pH: 8.5 - 10.0
- Available in three high fragrance scents: lemon, pine and mint

**Product Number\*:**  
615LDTC, 615LMP, 615MDTC, 615MMP,  
615PDTC, 615PMP

## STARSHINE™ TOILET BOWL CLEANER (RTU) FOR TOILET BOWLS & URINALS



- Ready to use as supplied
- pH: <1.0
- Mint fragrance

**Product Number\*:**  
320Q12

## TRITON™ NON-ACID WASHROOM CLEANER FOR ALL WASHABLE SURFACES



- 1:16 dilution ratio
- pH: 9.3
- Floral fragrance

**Product Number\*:**  
324DTC, 324MPE

## TRITON XLC™ BATHROOM CLEANER & DISINFECTANT FOR ALL WASHABLE SURFACES



- Dilution ratio 1:256 dilution ratio
- pH: 7.3
- Floral fragrance

**Product Number\*:**  
614DTC, 614FS, 614MP, 614PL5

\*Product packaging conventions available on page 3 of this catalog.



## Private Label Program

Talk with us about your private label chemical needs today! We offer a full line of chemicals available for private label in the following categories:

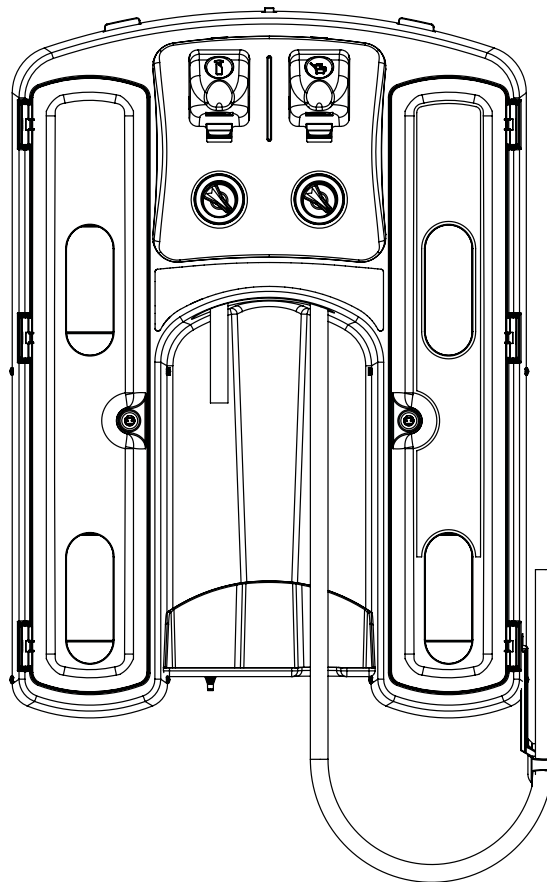
- Floor Finishes
- Sealers & Maintainers
- Floor Strippers
- Wood Care Products
- Concrete Floor Care
- Carpet Cleaners
- Sanitation & Restroom Solutions
- Cleaners & Degreasers
- Green Solutions

Pioneer Eclipse can work with you to complement your current chemical offering or create a new offering for your customers. We offer custom fragrances and colors as well as custom label designs. Various packaging sizes are available.



## AQUA PHYLL

Dilution Control System



### AquapHyll™

The AquapHyll dispensing system is designed to precisely meter and dispense cleaning chemicals in a way that ensures the safe and effective use of chemical products. These dispensers are available in both low flow (1 gal. per min.) and high flow (4 gal. per min.) configurations for easy dispensing into spray bottles or mop buckets. The AquapHyll dispensing system is modular in design and incredibly easy to install, utilizing simple mounting brackets and connecting tabs. Simply combine any number of dispensers and chemical cabinets to design the perfect dispensing system for your application.

## BLINK™ GLASS & SURFACE CLEANER

FOR MIRRORS, TILES & METALS



- 1:64 dilution ratio
- pH: 6.0
- No fragrance added

**Product Number\*:**  
341DTC

## ECLIPSE™ AURORA HB™ GERMICIDAL DISINFECTANT

FOR ALL WASHABLE SURFACES



- 1:64 dilution ratio
- pH: 11.5
- Fresh, clean fragrance

**Product Number\*:**  
605D, 605DTC, 605DTCC

## ECLIPSE™ HEAVY DUTY DEGREASER

FOR ALL WASHABLE SURFACES



- DTC - 1:32 dilution ratio
- pH: 12.5
- Sassafras fragrance

**Product Number\*:**  
396DTC

## ECLIPSE™ NEUTRAL CLEANER

FOR ALL WASHABLE SURFACES



- DTC - 1:512 dilution ratio
- D - 1:256 and 1:64 dilution ratio
- pH: 9.0
- Available in two fragrances: floral or slight lemon

**Lemon Product Number\*:**  
301D, 301DTC  
**Floral Product Number\*:**  
301ND, 301NDTC

## ENVIROSTAR GREEN™ ALL PURPOSE CLEANER

FOR ALL WASHABLE SURFACES



- 1:256 dilution ratio for light cleaning
- 1:128 dilution ratio for medium cleaning
- 1:64 dilution ratio for heavy cleaning
- pH: 7.0
- No fragrance added
- Green formula

**Product Number\*:**  
330D

## ENVIROSTAR GREEN™ FLOOR MAINTAINER

FOR VCT, HARD FLOORS, & SEALED WOOD FLOORS



- 48% non-volatile solids
- 1:128 dilution rate
- Green formula

**Product Number\*:**  
213DTC



## ENVIROSTAR GREEN™ GLASS & SURFACE CLEANER

FOR ALL WASHABLE SURFACES



- 1:32 dilution ratio
- pH: 9.0
- No fragrance added
- Green formula

**Product Number\*:**  
331D

## ENVIROSTAR GREEN™ MILD-ACID RESTROOM CLEANER

FOR ALL WASHABLE SURFACES



- DTC - 1:32 dilution ratio
- D - 1:16 dilution ratio
- pH: 2.5
- No fragrance added
- Green formula

**Product Number\*:**  
333D, 333DTC

## ENVIROSTAR GREEN™ NON-ACID WASHROOM CLEANER

FOR ALL WASHABLE SURFACES



- 1:32 dilution ratio
- pH: 10.5
- No fragrance added
- Green formula

**Product Number\*:**  
334DTC

## ENVIROSTAR GREEN™ PEROXIDE CLEANER

FOR ALL WASHABLE SURFACES



- DTC - 1:40 dilution ratio
- D - 1:10, 1:20 and 1:64 dilution ratio
- pH: 8.0
- No fragrance added
- Green formula

**Product Number\*:**  
335D, 335DTC

## ENVIROSTAR GREEN™ SPRAY & WIPE DEGREASER

FOR ALL WASHABLE SURFACES



- 1:8 dilution ratio
- pH: 10.5
- No fragrance added
- Green formula

**Product Number\*:**  
332D

## ENVIROSTAR GREEN™ ULTRA ALL PURPOSE CLEANER

FOR ALL WASHABLE SURFACES



- DTC - 1:1024 dilution ratio
- D - 1:512 dilution ratio
- pH: 10.5
- No fragrance added
- Green formula

**Product Number\*:**  
339D, 339DTC

## LASERSHOT™ SPRAY & WIPE DEGREASER

FOR ALL WASHABLE SURFACES



- 1:6 dilution ratio
- pH: 12.0
- Spearmint fragrance

Product Number\*:  
323D

## NEUTRAFRESH™ ALL PURPOSE CLEANER

FOR ALL WASHABLE SURFACES



- DTC - 1:128 dilution ratio
- D - 1:64 dilution ratio for normal cleaning
- D - 1:32 dilution ratio for heavy cleaning
- pH: 8.0
- Lavender fragrance

Product Number\*:  
345D, 345DTC

## NEUTRAQUAT 256™ GERMICIDAL DISINFECTANT

FOR ALL WASHABLE SURFACES



- 1:256 dilution ratio
- pH: 7.3
- Fresh cherry fragrance

Product Number\*:  
613D, 613DTC

## NEUTRAZENE™ MALODOR COUNTERACTANT

FOR ALL WASHABLE SURFACES



- 1:32 dilution ratio
- pH: 7.0
- Floral fragrance

Product Number\*:  
325D, 325DTC

## NOVA™ GERMICIDAL DISINFECTANT

FOR ALL WASHABLE SURFACES



- 1:32 dilution ratio
- pH: 9.6
- Available in three high fragrance scents: lemon, pine and mint

Product Number\*:  
615LDTC, 615MDTC, 615PDTC

## REBOUND™ FLOOR CLEANER & ENHANCER

FOR VCT, HARD FLOORS, & SEALED WOOD FLOORS



- DTC - 1:128 dilution ratio
- D - 1:64 dilution ratio
- D - 23% non-volatile solids
- DTC - 46% non-volatile solids

Product Number\*:  
211D, 211DTC



## TRITON™ NON-ACID WASHROOM CLEANER

FOR ALL WASHABLE SURFACES



- 1:16 dilution ratio
- pH: 9.3
- Floral fragrance

Product Number\*:  
324DTC

## TRITON XLC™ BATHROOM CLEANER & DISINFECTANT

FOR ALL WASHABLE SURFACES



- Dilution ratio 1:256 dilution ratio
- pH: 7.3
- Floral fragrance

Product Number\*:  
614DTC

\*Product packaging conventions available on page 3 of this catalog.



## EnviroStar Green™ HS25

A high solids premium green floor coating designed specifically for ease of application and maintenance while consistently providing a beautiful, durable, and safe wet-look shine.

Widely recognized as the industry's first complete line of products certified by the EPA's Design for the Environment (DfE) program, the EnviroStar Green™ line also holds certifications from Green Seal, UL Environment EcoLogo, EU Ecolabel (EU Flower) and Nordic Ecolabel (Nordic Swan).

Pioneer Eclipse currently manufactures over 20 products that carry one or more environmental certifications. Each certifying agency evaluates products based on their defined criteria for health and environmental aspects. Certified products must meet requirements for reduced impacts on health and the environment, and products must also pass independent laboratory testing to demonstrate performance. EnviroStar Green products are not only a safer alternative over conventional products, but also meet established performance standards.

Product Number	Product Name	Green Seal™	EcoLogo™	DfE	CARB Compliant	Nordic Ecolabel	EU Ecolabel
113	EnviroStar Green Floor Coating	GS-40	CCD-147	✓	✓		
123	EnviroStar Green Low Maintenance Floor Coating			✓	✓		
124	EnviroStar Green HS25 Floor Coating	GS-40	CCD-147	✓	✓		
125	EnviroStar Green Satin Floor Coating				✓		
128	EnviroStar Green Hard Floor Coating			✓	✓	✓	
213	EnviroStar Green Floor Maintainer		CCD-146	✓	✓		
330	EnviroStar Green All Purpose Cleaner	GS-37*	CCD-146	✓	✓		
331	EnviroStar Green Glass & Surface Cleaner			✓	✓		
332	EnviroStar Green Spray & Wipe Degreaser		CCD-146	✓	✓		
333	EnviroStar Green Mild Acid Washroom Cleaner		CCD-146	✓	✓		
334	EnviroStar Green Non-Acid Washroom Cleaner		CCD-146	✓	✓		
335	EnviroStar Green All Purpose Peroxide Cleaner			✓	✓		
338	EnviroStar Green All Purpose Neutralizer		CCD-147	✓	✓		
339	EnviroStar Green Ultra All Purpose Cleaner		CCD-146	✓	✓		✓
413	EnviroStar Green Floor Sealer			✓	✓		
515	EnviroStar Green Low Odor Floor Stripper	GS-40		✓	✓		
831	EnviroStar Green Carpet Extractor & Pre-Spray			✓	✓		
833	EnviroStar Green All Purpose Spotter			✓	✓		
835	EnviroStar Green Soil Release Bonnet Buff			✓	✓		
838	EnviroStar Green Carpet Extraction Rinse			✓	✓		



Many Amano Pioneer Eclipse products are formulated in partnership with the Environmental Protection Agency's Safer Choice Program which recognizes safer product chemistry.



These products meet the Green Seal™ environmental standard for industrial and institutional cleaners based on their reduced human and environmental toxicity and reduced volatile organic compound content.



The EcoLogo™ Program is an environmental leadership standard setting and certification program, founded by the Canadian government and now used around the world as a trusted environmental certification mark.



The EU Ecolabel helps you identify products and services that have a reduced environmental impact throughout their life cycle, from the extraction of raw material through to production, use and disposal.



The Nordic Ecolabel is the official Ecolabel of the Nordic countries and was established in 1989 by the Nordic Council of Ministers with the purpose of providing an environmental labelling scheme that would contribute to a sustainable consumption.

## ENVIROSTAR GREEN™ ALL PURPOSE CLEANER FOR ALL WASHABLE SURFACES



- 1:128 dilution ratio for light cleaning
- 1:64 dilution ratio for medium cleaning
- 1:32 dilution ratio for heavy cleaning
- pH: 7.0
- No fragrance added

Product Number\*:  
330D, 330DD, 330MPE



## ENVIROSTAR GREEN™ ALL PURPOSE CARPET SPOTTER FOR CARPET



- 1:8 dilution ratio
- pH: 10.5
- No fragrance added

Product Number\*:  
833MPE



## ENVIROSTAR GREEN™ ALL PURPOSE NEUTRALIZER FOR VCT & HARD FLOORS



- 1:64 dilution ratio for resilient tile
- 1:10 dilution ratio for hard floors
- pH: 2.2
- No fragrance added

Product Number\*:  
338MPE



## ENVIROSTAR GREEN™ CARPET EXTRACTION RINSE FOR CARPET



- 1:128 dilution ratio
- pH: 2.2
- No fragrance added

Product Number\*:  
838MPE



## ENVIROSTAR GREEN™ CARPET EXTRACTOR & PRE-SPRAY CLEANER FOR CARPET



- 1:128 dilution ratio
- pH: 9.5
- No fragrance added

Product Number\*:  
831MPE



## ENVIROSTAR GREEN™ FLOOR COATING FOR VCT, VINYL, LINOLEUM, MARMOLEUM & HARD FLOORS



- 22% total solids
- 20% non-volatile solids
- High gloss coating
- APEO Free

Product Number\*:  
113FS, 113MPE



## ENVIROSTAR GREEN™ FLOOR MAINTAINER FOR VCT, HARD FLOORS, & SEALED WOOD FLOORS



- 12% total solids
- 12% non-volatile solids
- High gloss coating

Product Number\*:  
213DD, 213DTC, 213FS, 213MPE



## ENVIROSTAR GREEN™ FLOOR SEALER FOR VCT



- 25% total solids
- 22% non-volatile solids
- Water-based formula
- Green formula

Product Number\*:  
413FS, 413MPE



## ENVIROSTAR GREEN™ GLASS & SURFACE CLEANER FOR ALL WASHABLE SURFACES



- 1:32 dilution ratio
- pH: 9.0
- No fragrance added

Product Number\*:  
331MPE, 331D



## ENVIROSTAR GREEN™ HARD FLOOR COATING FOR VCT, VINYL, LINOLEUM, MARMOLEUM & HARD FLOORS



- 23% total solids
- 20% non-volatile solids
- High gloss coating
- Urethane fortified
- APEO Free

Product Number\*:  
128FS, 128MPE



## ENVIROSTAR GREEN™ HS25 FOR VCT, VINYL, LINOLEUM, MARMOLEUM & HARD FLOORS



- 28% total solids
- 25% non-volatile solids
- High gloss coating
- APEO Free

Product Number\*:  
124FS, 124MPE



## ENVIROSTAR GREEN™ LOW MAINTENANCE FOR VCT, VINYL, LINOLEUM, MARMOLEUM & HARD FLOORS



- 22% total solids
- 20% non-volatile solids
- High gloss coating
- APEO Free

Product Number\*:  
123FS, 123MPE





## ENVIROSTAR GREEN™ LOW ODOR FLOOR STRIPPER

FOR VCT, VINYL, LINOLEUM, MARMOLEUM & HARD FLOORS



- Non-butyl based formula
- 1:4 dilution ratio for heavy removal of conventional coatings
- 1:8 dilution ratio for heavy removal of green coatings
- 1:10 dilution ratio for light removal on linoleum and marmoleum
- pH: 10.9
- No fragrance added

**Product Number\*:**  
515FS, 515MP, 515MPE



## ENVIROSTAR GREEN™ MILD-ACID RESTROOM CLEANER

FOR ALL WASHABLE SURFACES



- 1:16 dilution ratio
- pH: 2.5
- No fragrance added

**Product Number\*:**  
333D, 333DTC, 333MPE



## ENVIROSTAR GREEN™ NON-ACID WASHROOM CLEANER

FOR ALL WASHABLE SURFACES



- 1:16 dilution ratio
- pH: 10.5
- No fragrance added

**Product Number\*:**  
334D, 334DTC, 334MPE



## ENVIROSTAR GREEN™ PEROXIDE CLEANER

FOR ALL WASHABLE SURFACES



- 1:64 dilution ratio for light cleaning
- 1:20 dilution ratio for medium cleaning
- 1:20 dilution ratio for heavy cleaning
- pH: 8.0
- No fragrance added

**Product Number\*:**  
335D, 335DTC, 335MP, 335MPE



## ENVIROSTAR GREEN™ SATIN

FOR VCT, VINYL, LINOLEUM, MARMOLEUM & HARD FLOORS



- 9% total solids
- 16% non-volatile solids
- Satin coating
- Green formula
- APEO Free

**Product Number\*:**  
125FS, 125MPE



## ENVIROSTAR GREEN™ SOIL RELEASE BONNET BUFF

FOR CARPET



- 1:32 dilution ratio
- pH: 8.0
- No fragrance added

**Product Number\*:**  
835MPE

## ENVIROSTAR GREEN™ SPRAY & WIPE DEGREASER

FOR ALL WASHABLE SURFACES



- 1:8 dilution ratio
- pH: 10.5
- No fragrance added

**Product Number\*:**  
332D



## ENVIROSTAR GREEN™ ULTRA ALL PURPOSE CLEANER

FOR ALL WASHABLE SURFACES

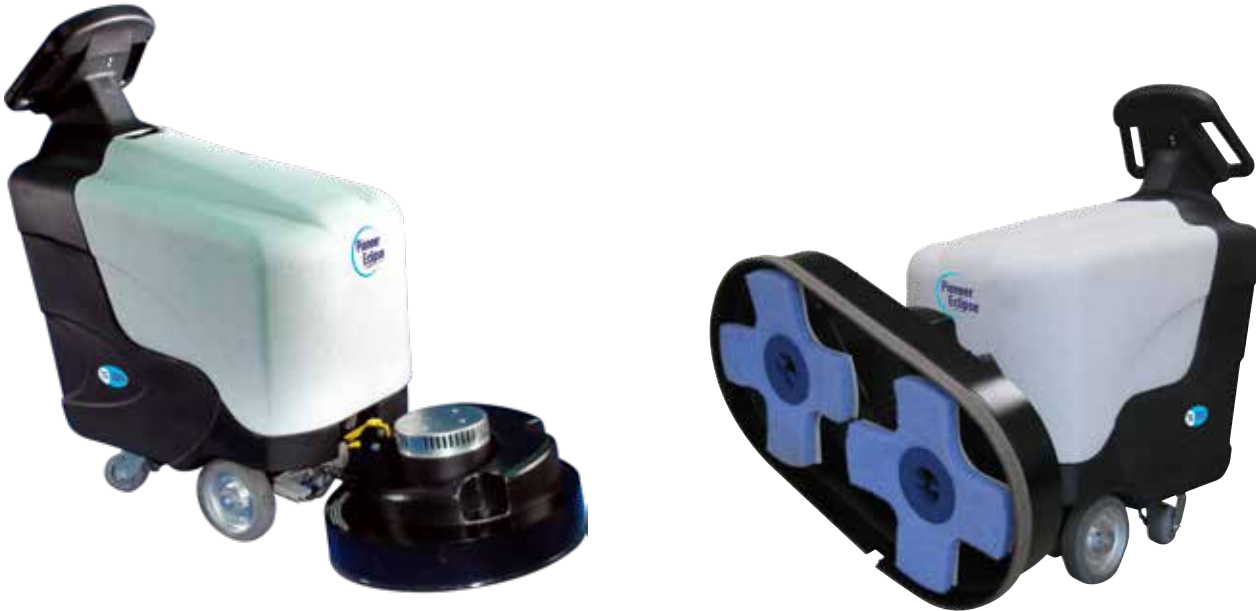


- 1:1024 dilution ratio for light leaning
- 1:512 dilution ratio for medium cleaning
- 1:256 dilution ratio for heavy cleaning
- pH: 10.5
- No fragrance added

**Product Number\*:**  
339D, 339DD, 339DTC



\*Product packaging conventions available on page 3 of this catalog.



## 300BU & 300BU 30X

The 300BU and 300BU 30X are ultra-high speed (UHS) burnishers that rapidly produce high levels of gloss on VCT, polished concrete and other hard floor surfaces. All models are available in either pad assist or traction versions. Both burnishers feature SteadyOne™ technology that dramatically improves burnishing performance. SteadyOne™ uses advanced fluid drive technology to maintain constant pad pressure and produce more consistent results. Unlike other machines using spring mechanisms that vary when a metal coil compresses or extends, SteadyOne™ automatically adjusts the deck as the pad wears to apply the same pad pressure throughout the burnishing operation. Floor care professionals can now get the same one-pass results today...and tomorrow.

Our X<sub>2</sub>™ technology on the 300BU 30X concentrates burnish energy in a much smaller area than a conventional round pad. The 30" wide machine, which is equipped with 2 x 16" X-pads, uses 58% less pad contact area to burnish, compared to a conventional 27" round pad. This means the 30X can do more work while consuming less energy. X<sub>2</sub> technology is patent pending. Available with lead-acid batteries or sealed batteries, the machine comes standard with an onboard battery charger.

	300BU	300BU	300BU 30x
Pad Size	20 in (51 cm)	24 in (61 cm)	2 x 16 in (41 cm) X-pads
Pad Speed	2000 RPM	1800 RPM	2000 RPM
Weight with batteries	600 lbs (272 kg)	610 lbs (277 kg)	663 lbs (300 kg)
Power supply	Three 12 volt, 228 AH batteries	Three 12 volt, 228 AH batteries	Three 12 volt, 228 AH batteries
Noise level	<67 db(A)	<70 db(A)	70 dB(A)
Run Time	3 Hours	2.5 Hours	3 Hours

## 225BU



The 225BU is a corded burnisher with an ergonomic design, rugged all metal construction and a 1.5 HP motor.

Pad Size	20 in (51 cm)
Pad Speed	1500 RPM
Cord Length	50 ft (15 m)
Weight	101 lb (46 kg)
Power Supply	120 V
Noise Level	62 dB(A)
Features	Non-marking wheels

## 225FP



The 225FP is a corded floor care machine powered by a 1.5 HP UL approved high torque motor and equipped with a triple planetary gearbox. Available in two widths, 17" (43 cm) and 20" (51 cm), the 225FP produces up to 6,000 square feet (557 square meters) and 7,000 square feet (650 square meters) of polished floors per hour, respectively. The machine comes standard with a pad holder and is also available with an optional 2.5 gallon (9,5 liter) solution tank.

Pad Size	17 in (43 cm)	20 in (51 cm)
Pad Speed	175 RPM	175 RPM
Cord Length	50 ft (15 m)	50 ft (15 m)
Weight	91 lb (41 kg)	95 lb (43 kg)
Power Supply	120 V	120 V
Noise Level	68 dB(A)	68 dB(A)



## 250ST



A new addition to our floor stripping system, the 250ST is a high speed orbital machine designed for the toughest applications. The 250ST can be used for chemical free deep scrub applications and in conjunction with Pioneer Eclipse floor stripper for stripping jobs. A 2.5 gallon (9.5 liter) solution tank comes standard.

Pad Size	12" x 18" (30.5 cm x 45.8 cm)	
Orbit speed	3,600 orbits per minute	
Orbit diameter	1/4" (6.4 mm)	
Cord length	50 ft (15 m)	
Weight	125 lb (57 kg)	
Power supply	120 V	
Noise level	75 dB(A)	
Solution tank capacity	2.5 gal (9.5 liter)	

## FM



The FM Floor Maintainer has a rugged planetary drive system with helical-cut gears with an ultra smooth power transmission. This versatile machine has an optional 4 gallon solution tank to help tackle larger jobs. The FM Floor Maintainer is available in 17 inch and 20 inch operating widths.

Brush Size	17 in (43 cm)	20 in (51 cm)
Brush Speed	175 RPM	175 RPM
Cord Length	50 ft (15 m)	50 ft (15 m)
Weight	102 lb (47 kg)	107 lb (49 kg)
Power Supply	115V/230V 1hp	115V/230V 1hp
Gear System	Dual planetary	Dual planetary



# PROPANE MACHINES



## 420BU



The 420BU is a propane powered, ultra-high speed (UHS) burnisher that gives floor care professionals the options they want to customize a machine to their needs. Based on the decades-popular Mean Machine™, the 420BU is available in four different widths. Each model comes standard with a 12-volt onboard electric starter. Powered by an 18HP, 603 cc Kawasaki engine, the 420BU uses 34 percent less fuel and requires 40 percent fewer oil changes than other machines in its class. Available options include a passive vacuum, electric clutch, and EcoSense emissions monitoring system. Active vacuum is standard on the 40" model. The 420BU comes standard with SAFR™ Technology to keep CO levels low even with a dirty air filter.

Pad Size	21 in (53 cm)	24 in (61 cm)	28 in (71 cm)	40 in (102 cm)
Pad Speed	2000 RPM	1800 RPM	1500 RPM	1850 RPM
Weight	215 lb (97 kg)	221 lb (100 kg)	234 lb (106 kg)	340 lb (154 kg)
Noise level	<89 db(A)	<89 db(A)	<89 db(A)	<89 db(A)

## 400BU



The 400BU is a propane powered, ultra-high speed (UHS) propane burnisher that gives floor care professionals the performance features of higher priced units in an affordable package. Available in two widths, the 400BU, powered by an 18HP, 603 cc Kawasaki engine, uses 34 percent less fuel and requires 40 percent fewer oil changes than other machines in its class. The 400BU is now available with optional EcoSense emissions monitoring system. The 400BU comes standard with SAFR™ Technology to keep CO levels low even with a dirty air filter.

Pad Size	21 in (53 cm)	28 in (71 cm)
Pad Speed	2000 RPM	1500 RPM
Weight	187 lb (85 kg)	200 lb (91 kg)
Noise level	<89 db(A)	<89 db(A)



## 440BU



The 440BU is a propane powered, ultra-high speed (UHS) burnisher manufactured with premium features to satisfy the needs of floor care professionals around the world. Replacing the popular SpeedStar™, the 440BU is available in three different widths. Each model comes standard with a 12 volt battery start, catalytic muffler, handle bail clutch, wrap around steel skirt, CentriVac™ dust control system and SafeSense™ emissions monitoring system. Powered by an 18-HP, 603 cc Kawasaki engine, the 440BU uses 34 percent less fuel and requires 40 percent fewer oil changes than other machines in its class. The 440BU comes standard with SAFR™ Technology to keep CO levels low even with a dirty air filter.

Pad Size	21 in (53 cm)	24 in (61 cm)	28 in (71 cm)
Pad Speed	2000 RPM	1800 RPM	1500 RPM
Weight	242 lb (110 kg)	248 (113 kg)	262 lb (119 kg)
Noise level	<89 db(A)	<89 db(A)	<89 db(A)



## 440ST



The 440ST is a powerful, propane powered floor stripping machine. The 440ST uses two counter-rotating drivers that effectively remove floor finishes faster than any other machine on the market. The Rok-bak™ feature allows operators to quickly change pads and brushes while its sleek, ergonomic design make the machine simple and easy to operate. The 440ST is the only option for high productivity floor stripping. The 440ST comes standard with SAFR™ Technology to keep CO levels low even with a dirty air filter.

Pad Size	2 x 16 in (2 x 40 cm)	2 x 20 in (2 x 51 cm)
Working Width	30 in (76 cm)	138 in (97 cm)
Pad Speed	325 RPM	325 RPM
Weight	365 lb (165 kg)	435 lb (197 kg)
Noise Level	87 dB(A)	87 dB(A)



# PROPANE SAFETY FEATURES



**We have built the safest propane powered machines for nearly 40 years!**

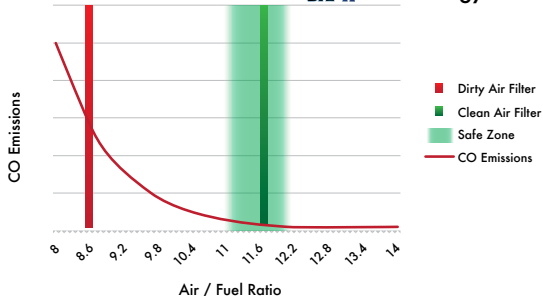
Below are some of the key points that separate us from the competition.

- 1 Proprietary carburetion is configured as a lean-burn system to reduce CO output
- 2 3-way catalytic muffler to reduce not only CO, but also NOx and HC
- 3 Fuel metering optimized for each machine
- 4 Cylinder head modifications for improved combustion
- 5 Re-gapped spark plugs that are optimized for propane ignition
- 6 Safe-Fill cylinders equipped with an over-fill prevention device
- 7 SAFR™ Technology keeps a Steady Air Fuel Ratio no matter the air filter condition.
- 8 EcoSense basic emissions monitoring system available on 400, 420, 430, & 450 series models.
- 9 SafeSense enhanced emissions monitoring system available on 440 series models.
- 10 Operator presence shut-down available on 440 series models.
- 11 Both online and classroom courses for propane machine certification.

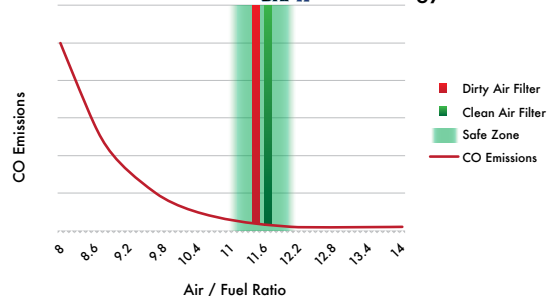


## TEST RESULTS

CO Emissions With Out SAFR Technology



CO Emissions With SAFR Technology



This system monitors the pressure between the air filter and the carburetor. As the air filter becomes dirty, the pressure decreases. With SAFR™ technology, this change in pressure results in a reduction in fuel delivered to the engine. The net result is a Steady Air Fuel Ratio no matter the air filter condition.

We feel this technology is so important that it will be added to **ALL** new Pioneer Eclipse propane machines at no additional cost. Regardless of your application or model preference, you can rest assured your Pioneer Eclipse propane machine will be equipped with SAFR™ technology... because safety is not an option.

## 310AS



This walk behind automatic scrubber has a proven design ideal for difficult applications. The 310AS has an auto brush coupling and release feature, as well as large tank openings for easy cleaning, filling, and operation. No matter what the job, the 310AS is tough enough to handle it.

Pad Size	20 in (50 cm)
Solution Tank	12 US gal (45 liter)
Recovery Tank	12 US gal (45 liter)
Power Supply	Two 12 volt, 150 AH batteries
Noise Level	72 dB(A)
Run Time	2-3 hours



## 315ASR



The 315ASR is the industry's most maneuverable ride-on floor scrubber. Fast, agile and efficient, this unit covers a lot of ground with operator ease and comfort. Large capacity tanks reduce downtime with less emptying and filling. Its simple design translates into more durability compared to the complicated competition.

Pad Size	2 x 15 in (2 x 38 cm)
Solution Tank	37 US gal (140 liter)
Recovery Tank	31.7 US gal (120 liter)
Power Supply	Four 6 volt, 250 AH batteries
Noise Level	Noise level: 70 dB(A)
Run Time	4 hours



# WOOD FLOOR SANDERS



## Super 7R Edger



The Super 7R is a powerful, versatile, and easy to use wood floor edging machine that has earned a reputation as a reliable performer. The Super 7R is designed for productivity and dependability with rugged construction and precision fitted components.

Power Supply	120 V / 240 V
Motor	1 HP
Abrasive Size	7-7/8 in diameter disc
Disc Rate	2800 RPM
Disc Driver System	Gear driven
Dust Control Rate	110 CFM



## EZ-8<sup>®</sup> Drum Sander



The EZ-8 comes apart easily for transportation to and from work sites and is equipped with an expandable drum which allows for easy sandpaper installation.

Power Supply	120 V / 240 V
Motor	1.5 HP
Abrasive Size	8 in x 19 in sleeve
Abrasive Rate	2830 ft/min
Drum Rate	1800 RPM
Drum Pressure	25 lbs
Dust Control Rate	76 CFM



## OBS-18 & OBS-18DC Orbital Sander



Totally enclosed 1 HP dual capacitor motor is fan cooled to eliminate overheating. 3450 orbits per minute sands faster than any other orbital sander available. Heavy duty cast aluminum main frame and pad driver plate for added strength. Bristle dust skirt and independent dust pickup fan for effective dust containment. Torque-less operation for enhanced operator comfort.

Power Supply	120 V / 240 V
Motor	1 HP
Pad Size	12 in x 18 in
Orbits per minute	3600





## AVAC 2.2 Vacuum



The AVAC 2.2 Back Pack Vacuum, with lumbar support for added comfort, features soft start design and a large, 10-quart capacity tank. The AVAC 2.2 directs exhaust air up and away from both the floor and the operator.

Power Supply	120 V
Dust Capacity	10 quarts
Filtration	4-stage, H.E.P.A. optional
Weight	10.8 lbs. (4.9 kg)

## AVAC 12 Vacuum



The AVAC 12 Dust Containment System offers high suction and exceptional filtration. Designed with non-marking grey wheels and casters, as well as a center mount locking inlet, the vacuum easily follows the operator while he/she works. The AVAC 12 comes standard with three levels of filtration as well as options for disposable paper bags and H.E.P.A filters.

Power Supply	120 V
Dust Capacity	12 gallons
Filtration	H.E.P.A. optional
Weight	42 lbs. (19 kg)



## 420GP & 420GPHD



The 420GP and 420GPHD are the answers to hard floor maintenance. These propane powered floor care machines grind, polish, and burnish hard floor surfaces such as concrete, marble, and terrazzo. Variable speed control (1000-1500 rpm), on board water supply, and a variety of diamond pads create an effective, efficient, and versatile system for professional building service contractors. Powered by an 18-HP, 603 cc Kawasaki engine, the 420GP and 420GPHD use 34 percent less fuel and require 40 percent fewer oil changes than other machines in its class. The PE420GPHD comes equipped with a weight bracket for maximum head pressure as well as a dust port to accommodate a vacuum hose for dry grinding. In addition, it comes standard with a heavy-duty diamond driver for traditional 3 inch, (83 mm) diamonds. The 420GP comes standard with SAFR™ Technology to keep CO levels low even with a dirty air filter.

	PE420GP	PE420GPHD
Driver Size	21 in (53 cm)	21 in (53 cm)
Pad Speed, Polishing	1000 RPM	1000 RPM
Pad Speed, Burnishing	1500 RPM	1500 RPM
Water Tank Capacity	7 US gal (26.5 liter)	7 US gal (26.5 liter)
Head Pressure	85 lb (38 kg)	180 lb (82 kg)
Weight	265 lb (120 kg)	380 lb (172 kg)
Noise Level	89 dB(A)	89 dB(A)

## 225GP



The 225GP utilizes a triple planetary gear drive powered by a 1.5 HP (1,1 kW) DC rectified motor with quick disconnect for easy troubleshooting and service. For added safety, the machine is equipped with a 40' power cord and GFCI. The enclosed 2.5 gallon (9,5 liter) solution tank does not spill water while changing attachments, and the integral splash/dust skirt contains splash and assists in dust collection.

Driver Size	17 in (43 cm)
Driver Speed	175 / 300 RPM
Weight	95 lb (43 kg)
Noise level	<65 db(A)
Water Tank Capacity	2.5 US gal (9,5 liter)

## 430GP



The 430GP is a multi-purpose hard floor machine used for polishing, stripping and scrubbing. The machine features a tool-less, quick change system to accommodate diamond polishing heads, pad holders, and brushes. Powered by an 18-HP, 603 cc Kawasaki engine, the 430GP uses 34 percent less fuel and requires 40 percent fewer oil changes than other machines in its class. The 430GP comes standard with SAFR™ Technology to keep CO levels low even with a dirty air filter.

Driver Size	2 x 17 in (2 x 43 cm)
Driver Speed	175 / 300 RPM
Weight	538 lb (244 kg)
Noise level	<89 db(A)
Head Pressure	300 lb (136 kg)
Water Tank Capacity	9 US gal (34 liter)



## 450GP



The 450GP is the pro's choice for any hard floor type. A walk-behind, single operator machine, the 450GP is ideal for coating removal, surface preparation (for coating applications), grinding, polishing, floor stripping and deep scrubbing. Variable engine speeds, vacuum dust port, removable weights and an on-board water supply allow the operator to adjust the performance parameters of the 450GP to meet the requirements of a variety of hard floor surfaces including concrete, terrazzo, marble, stone and quarry tile floor surfaces. The 450GP comes standard with EcoSense emissions monitoring system and SAFR™ Technology to keep CO levels low even with a dirty air filter.

Driver Size	2 x 17 in (2 x 43 cm)
Pad Speed, Grinding	210 RPM
Pad Speed, Polishing	420 RPM
Water Tank Capacity	9 US gal (34 liter)
Head Pressure	200 lb to 500 lb
Weight	880 lb (399kg)
Noise Level	89 dB(A)



## Pioneer Eclipse Offers a Comprehensive Concrete Polishing and Restoration Program

Many competitive product systems rely on the use of conventional floor scrubbers and polishers to restore gloss and have proven to be ineffective in eliminating the more challenging issues commonly associated with polished floors. Pioneer Eclipse's integrated system of products are specifically designed to easily and economically perform otherwise challenging restorative maintenance procedures.



Pioneer Eclipse's line of hard floor machines offers solutions for a wide range of customer needs. All hard floor machines come with onboard solution tank. The 450GP, 430GP, 420GP and 420GPHD propane machines come equipped with EcoSense emissions monitoring as well as SAFR Technology. The electric 225GP offers a smaller footprint in an easy to transport machine. All concrete machines are easily run by a single operator.



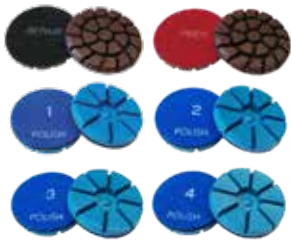
The Pioneer Eclipse Concrete Chemical Program is a three step program that includes a densifying treatment, hard floor protector and cleaner & maintainer for routine care.



Driver Size	16 in (406 mm)
Diamond Size	3 in (76 mm)
Weight	18 lb (8 kg)

## HydraShine™

The HydraShine is a cost effective solution for polishing small areas and edges. A strong, six-bolt clutch plate construction transfers torque without the use of plastic coupling and a heavy gauge steel plate provides durability and aggressiveness. The HydraShine can be used with the 225GP, 225FP17, & FM1700.



Disc Size 3 in (83 mm)

### Application

Repair	Repair damaged floor
Prep	Prepare floor prior to densifying
Polish 1	Matte finish
Polish 2	Semi-gloss finish
Polish 3	High-gloss finish
Polish 4	Ultra high-gloss finish

## PowerPolish™ Discs

PowerPolish Discs provide an easy-to-use, cost effective system for repairing damage and restoring gloss to polished floors. Each 3" disc is labeled to eliminate errors and easily attached to the machine via hook and loop (no tools required). These discs can be used on the 225GP, 420GPHD, 430GP, 450GP and on the HydraShine Diamond Driver.

## NEED DIAMONDS?

## WE'VE GOT YOU COVERED

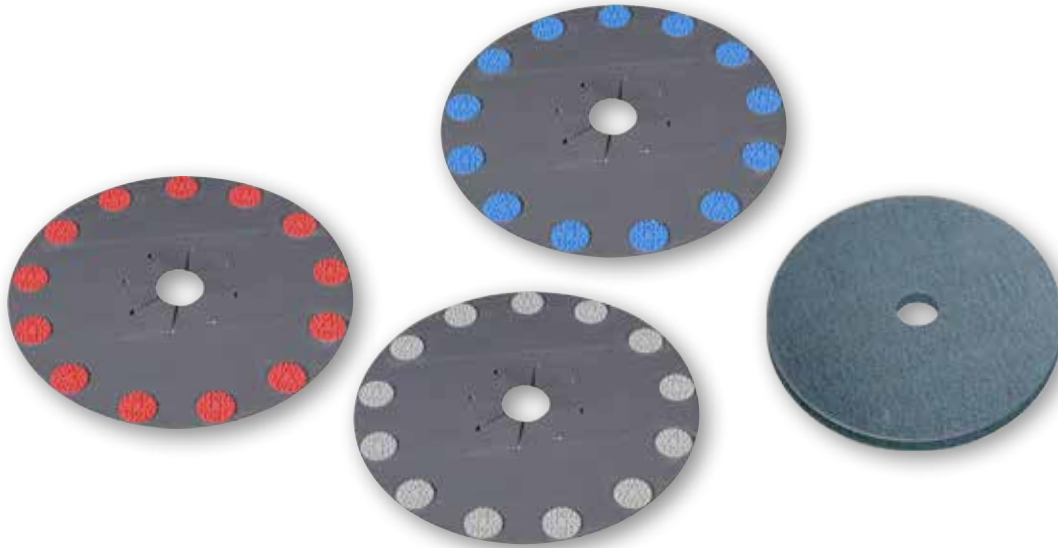
Whichever path you choose, Pioneer Eclipse has got you covered with industry leading tools and service. Whether it's a small project or a large one, we've got your floor care needs covered.



## Diamond Tools

Pioneer Eclipse offers a professional line of diamond tools for hard floor polishing and deep grinding. There are also options for coating removal and surface prep. Paired with the technology of our concrete machines, these tools produce consistent and uniform results across all hard floors. Diamond tools come in a variety of segment configurations in metal, semi-metal and resin bond materials.

# DIAMOND GRINDING & POLISHING TOOLS



## GRIND

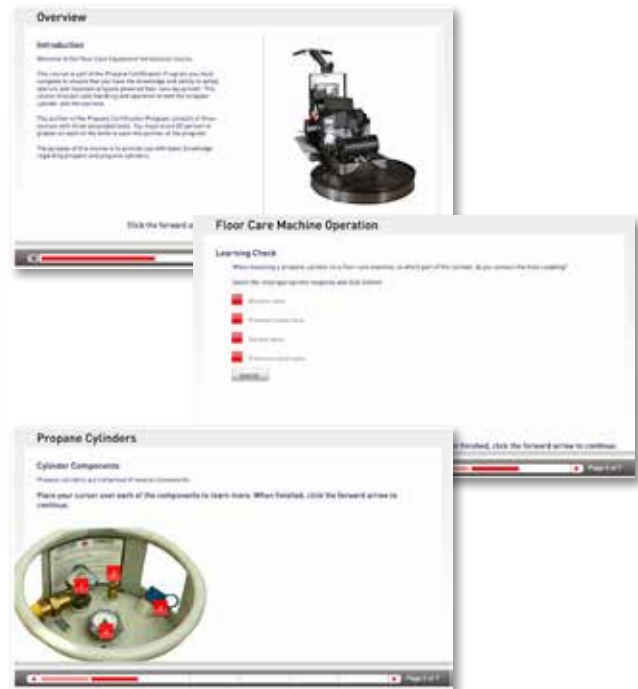
## POLISH

## BURNISH

PAD NAME		GRIND					POLISH				BURNISH	
		MOST ABRASIVE		LEAST ABRASIVE			MOST ABRASIVE		LEAST ABRASIVE		HIGH GLOSS	HIGHEST GLOSS
		LEVEL-S 30 SMETAL	LEVEL-S 50 SMETAL	LEVEL-S 100 SMETAL	LEVEL-S 200 SMETAL	LEVEL-S 400 SMETAL	LEVEL-S 400 RESIN	LEVEL-S 800 RESIN	LEVEL-S 1800 RESIN	LEVEL-S 3000 RESIN	POWERPOLISH	POWERPOLISH HT
FLOOR STATUS*	UNFINISHED	●	●	●	●	●	●	●	●	●	●	●
	RESTORATION						●	●	●	●	●	●
	MAINTENANCE							●	●	●	●	●
EST. LIFE**	X 1000 FT <sup>2</sup>	65	60	55	50	60	50	60	65	65	85	150
	X 1000 M <sup>2</sup>	6,0	5,6	5,1	4,7	5,6	4,7	5,6	6,0	6,0	7,9	13,9

\* **Floor Status:** Unfinished - a new floor surface or a floor surface that has not been ground or polished.  
 Restoration - a polished floor that shows surface wear and is unable to achieve acceptable gloss level from maintenance procedures.  
 Maintenance - a polished floor that is unable to achieve an acceptable gloss level from daily cleaning procedures.

\*\* **Estimated Life:** Estimated pad life assumes ideal conditions. Actual pad life may vary based upon the floor condition, amount of water used, operator performance, etc.



## Propane Certification & Factory Certified Technician School

Pioneer Eclipse offers both propane certification programs and factory certified technician school.

### **Propane Certification**

Our propane certification program includes instruction for the safe handling and operation of both propane cylinders and machines to ensure that users have the knowledge and ability to properly operate and maintain propane powered floor equipment. Pioneer Eclipse periodically offers in-person certification courses but users can go through the certification program at any time, and on their own schedule, through our online certification program. To learn more, please visit [www.pioneereclipse.com](http://www.pioneereclipse.com) and click on the training tab.

### **Factory Certified Technician School**

Pioneer Eclipse is also proud to offer factory certified technician school. This 2 1/2 day course offers a comprehensive focus on propane powered equipment and the curriculum is designed to provide a working knowledge of all Amano Pioneer Eclipse floor care equipment.

Taught by expert Amano Pioneer Eclipse technicians, the technician school covers a full range of routine maintenance and service related topics. Training begins with basic technical theory and expands into performance tune-ups, propane safety, tearing down and rebuilding engines, machine troubleshooting, special tools and more. The training is designed to help technicians keep Amano Pioneer Eclipse equipment running at peak performance.

For more information on how to register for technician school you may contact your Amano Pioneer Eclipse sales representative or Customer Service at 800-367-3550.



# PRODUCT CATALOG

Amano Pioneer Eclipse | 1 Eclipse Road, Sparta, NC 28675  
800.367.3550 | +1 336.372.8080  
[www.pioneereclipse.com](http://www.pioneereclipse.com)