



FLOORCOVERINGS
A TANDUS™ GROUP COMPANY

Powerbond® CARE

Success in 5 Easy Steps



FLOORCOVERINGS
A TANDUS™ GROUP COMPANY

Powerbond® CARE is unlike any other carpet maintenance plan in use today for one reason. Powerbond is not conventional carpet. Rather, it is a unique technology that combines all the benefits of soft-surface floorcovering with the durability of sheet vinyl. The result is a floorcovering that is easier to maintain than other flooring. Powerbond CARE requires less labor and fewer cleaning solutions, yet produces better results. In fact, when implemented properly, the CARE system can lower your overall maintenance costs, while ensuring that Powerbond provides the highest level of appearance retention over its life cycle. We believe you'll find that Powerbond CARE will make quite a difference for you and your facility. At C&A, we've chosen not to just make floorcovering but to also make a difference. Rather than follow the rout that others are taking, we're walking a different path. It's a philosophy that is reflected in everything we do, from our business strategies right down to our maintenance system. Walk with us. Link Engineering is unique to C&A and key to Powerbond's ease of maintenance, superior, long-term performance and appearance retention characteristics.

Proving that Powerbond is greater than the sum of its parts, Link Engineering connects yarn, backing, construction, installation, and maintenance in such a way that each key component supports the others to create a higher performance product. When installed by a trained and certified installer, Link Engineered Powerbond can provide the unique, long-term performance that is expected from C&A floorcovering products with 15- and 25-year, non-prorated warranties.

Powerbond is easier and less costly to maintain over its life cycle than either hard-surface floors or conventional carpet. The dense face construction and moisture-impermeable vinyl-polymer backing of Powerbond keeps spills and soil on the surface where they are easier to clean.

This translates directly into easier and less costly maintenance on a product that has been proven to last up to 5 times longer than conventional carpet.

STEP 1 IDENTIFY TRAFFIC PATTERNS

The first step in the creation of an effective maintenance plan is to evaluate the traffic patterns in your facility. Using a floor plan of the facility, identify each of the areas. Color coding the plan is helpful.

STEP 2 ESTABLISH A CLEANING SCHEDULE

Track-Off Areas

These are areas where outside soil is tracked in (entrances, lobbies, restrooms, elevators, and areas next to hard-surface flooring). These areas require more attention than almost any other area in the facility.

- Vacuum daily using multiple passes.
- Pile lift to loosen embedded soil prior to extraction.
- Wet extract every month or as necessary to maintain desired appearance level.
- Spot clean as necessary.

Heavy Traffic Zones

These are areas that experience more than 1,000 foot traffics per day (traffic lanes, pivot points and funnel areas).

- Vacuum daily using multiple passes.
- Pile lift to loosen embedded soil prior to extraction.



- Wet extract every month or as necessary to maintain desired appearance level.
- Spot clean as necessary.

Moderate Traffic Zones

These are areas that experience 500 to 1,000 foot traffics per day (secondary hallways, offices and light-use common areas).

- Vacuum traffic lanes daily.
- Full vacuum 2-3 times weekly.
- Pile lift to loosen embedded soil prior to extraction.
- Wet extract every 3 months or as necessary to maintain desired appearance level.
- Spot clean and vacuum as necessary.

Light Traffic Zones

These are areas that experience less than 500-foot traffics per day (conference rooms, administrative areas, areas outside of traffic lanes, and limited use-area).

- Vacuum traffic lanes daily.
- Full vacuum weekly.
- Pile lift to loosen embedded soil prior to extraction.
- Wet extract every 6 months or as necessary to maintain desired appearance level.
- Spot clean and vacuum as necessary.

Areas Prone to Spots and Stains

(break rooms, coffee areas and areas near kitchens)

- Pre-vacuum prior to spot cleaning.
- Spot clean daily, as necessary.

STEP 3 CHOOSE THE PROPER EQUIPMENT

Effective, well-functioning equipment is required for a successful maintenance program. Below are specific requirements for the type of equipment to be used on Powerbond:

Vacuum Cleaner

Vacuuming is the single most important activity for Powerbond maintenance. Approximately 80%-90% of the soil deposited into the carpet is dry. If not removed regularly by vacuum, dry soil can abrade and permanently damage carpet fibers.

C&A recommends a commercial vacuum cleaner that exceeds the established industry standards for soil removal. For improved indoor air quality, the vacuum should offer high-efficiency filtration and emit minimal particles into the air. (C&A can provide a list of suggested vacuum cleaners.)

Pile Lifter

A pile lifter is highly recommended to assist in the cleaning process. This machine is designed to aggressively lift the pile fiber and loosen attached soil prior to vacuuming. Because of this aggressiveness, caution must be used if cleaning C&A's Symtex® products. (C&A can provide a list of suggested pile lifters.)



Extractor

Hot water extraction is the preferred method of deep cleaning and maintenance of Powerbond. A water extraction unit used as part of a maintenance program deep cleans Powerbond and removes pre-treated, soluble soil and oil-based spills that regular vacuuming cannot. An extractor injects water into the pile, agitates the fibers and extracts the water and suspended soil.

Extractors come in a variety of sizes. Selection should be based upon the needs of the facility. In general, the following minimum performance should be considered:

- Extractor should be C&A approved and capable of extracting a maximum volume of water injected into Powerbond pile fiber.
- All components should be made of a material that is non-corrosive and will not rust or deteriorate in the presence of water and/or cleaning solutions.
- Extractor should be able to generate a minimum of 50 pounds per square inch (psi) of pressure and should not exceed 400 psi. (C&A can provide a list of suggested extractors.)

Portable Air Mover

Powerbond can dry within 2 to 3 hours in most environments. Drying time should never exceed 12 hours.

- When extreme environmental conditions exist (relative humidity exceeds 65%), an air mover or drying fan should be used to accelerate drying time. (C&A can provide a list of suggested portable air movers.)

STEP 4 USE THE RIGHT CLEANING SOLUTIONS

All cleaning solutions must be used according to the manufacturer's instructions. Review the material safety data sheets (MSDS) and product labels on all solutions, being aware of any precautions and usage guidelines.

Below are the minimum requirements for cleaning solutions to be used on Powerbond.

Contact your supplier for assurance that these guidelines are met:

- Must be safe and non-toxic.
- Contains no optical brighteners.
- Has a pH between 5 and 9 diluted for normal cleaning.
- Does not leave a sticky or oily residue when dried.
- Will not damage Powerbond's fiber or color.
- Will not promote rapid soiling.

To evaluate the type of residue a solution leaves behind, conduct this test: Prepare the solution and pour in a pan. Place in direct sunlight and allow to evaporate. If it leaves a sticky or oily residue, do not use. C&A can provide approved cleaning agents and deodorizers for Powerbond. These cleaners have been tested for appropriate pH levels, absence of optical brighteners and zero resoil potential. The products have been tested exclusively for Powerbond.

Powerbond's vinyl-polymer backing is an impermeable moisture barrier which keeps spills on the surface, preventing them from penetrating into the subfloor and creating potential indoor air quality concerns.



STEP 5 USE THE PROPER CLEANING PROCEDURES

Proper cleaning procedures are a key element of the maintenance program.

C&A offers the following guidelines:

Vacuuming

- Make sure the vacuum cleaner is in proper working order before each use. (Clean all components regularly.)
- Use slow, deliberate passes. Slowing the vacuum down allows the suction to loosen and remove the embedded dry soil that can abrade and damage fibers.
- Pay careful attention to the “pull” stroke. More soil is removed in this action than in the forward stroke.
- Empty vacuum bags when they become half full to improve soil removal.
- Replace nylon brushes at the first sign of wear.
- Use only original equipment manufacturer parts for consistent performance.

Spill Removal

Spills may require cleaning solutions to remove.

- As soon as a spill occurs, use a portable spot removal extractor.
- If a portable spot removal extractor is not available, the liquid should be blotted into paper or cloth towels.
- Place several layers of towels over the spill and apply pressure until all of the excess liquid has been removed.

Spot Removal

Some spots may be more difficult to remove and may require aggressive spotting solutions. The first step in removing a spot is to determine if it is a water-soluble or oil-based. This will help in the selection of a cleaning solution. A recommended approach is to first apply water. Water-soluble spots will transfer to the absorbent towel; oil-based spots will not. In rare occurrences, some stains may be permanent.

- For water-based spots:

Continue rinsing with water as long as there is transfer to the towel. A cleaning agent may not be necessary if water continues to remove the spot. If a cleaning agent is needed, apply an approved spot lifter to the area and allow to soak for 5 minutes. Then, flush thoroughly with water until all detergent residue has been removed. Repeat this process until the spot is removed.

- For oil-based spots:

After blotting to remove excess liquid, apply a non-water based dry cleaning solvent* to a towel and apply to the spot. (Applying a dry-cleaning solvent directly to the Powerbond surface may allow the spot to spread.) Work from the outer edges of the spot to limit spreading. Continue to reapply solution in this manner until the spot is completely removed. Then flush thoroughly with water until all residue has been removed.

In case of permanent stains, repairs may be necessary.*Dry-cleaning solvents denote isopropyl alcohol, denatured alcohol and other, non-water-based cleaning solutions.



Extraction

In addition to vacuuming and spot removal, hot water extraction will help maintain Powerbond's appearance. Because Powerbond CARE does not permit the use of detergents in the extractor rinse tank, a pre-spray is recommended prior to extraction.

The procedure for effective soil removal is as follows:

- Pile lift all heavy soiling areas.
- Thoroughly vacuum the entire area to remove dry soil.
- NEVER USE DETERGENT IN THE EXTRACTOR RINSE TANK.
- Pre-spray the area with an approved pre-spray solution.
- Use mechanical agitation for improved cleaning results.
- Allow the solution to remain undisturbed for 5 to 10 minutes. This will make the soil easier to remove.
- Extract the area thoroughly to rinse and remove all the detergent and soil.
- Repeat until recovery water is relatively clean.
- Place air movers on the area to expedite the drying time.
- Limit foot traffic on the area until dry.

Extraction equipment guidelines:

- Make sure extractor is in proper working order.
- Disinfect fresh water tank and recovery tank on a weekly basis.
- Replace nylon brushes at the first sign of wear.
- Use only original equipment manufacturer parts for consistent performance.

REGIONAL LOCATIONS

NEW YORK

212.206.7170

NEW ENGLAND

860.274.8768

MID-ATLANTIC

801.594.500

SOUTHEAST

770.428.4449

MIDWEST

312.467.9515

GREAT LAKES

616.458.2375

SOUTHWEST

214.749.0663

SOUTHERN CALIFORNIA

949.863.9666

NORTHWEST

415.986.3564

ROCKY MOUNTAIN

303.741.0051

U.K. LIMITED

44.1495.290290

ASIA LIMITED

65.281.2665



FLOORCOVERINGS
A TANDUS™ GROUP COMPANY

WARRANTY

Powerbond is constructed using **link engineering technology**. This allows C&A to offer 15- and 25-year, non-prorated, limited warranties* on Powerbond against excessive surface wear, edge ravel, zippering, resiliency loss of backing, delamination of the secondary backing from the primary backing, and excessive static electricity.

THIS WARRANTY COVERAGE REQUIRES PROPER INSTALLATION AND MAINTENANCE PROCEDURES.



FLOORCOVERINGS
A TANDUS™ GROUP COMPANY

311 SMITH INDUSTRIAL BOULEVARD P.O. BOX 1447 DALTON, GEORGIA 30722-1447

1.800.248.2878 WWW.TANDUS.COM

***See limited warranty for details.**



FLOORCOVERINGS
A TANDUS™ GROUP COMPANY

SPOT REMOVAL DIRECTIONS

For many stains we do not know the origin or substance, therefore it may be necessary to try a number of solutions to obtain satisfactory removal. There is never any guarantee that unknown spots can be moved. Below is a step-by-step procedure to attempt. Many of the solutions can be purchased through SteamWay (800 447-8326) or Bane-Clene (800-428-9512) for shipment of product or contact any area janitorial supply for the generic solutions lists.

Items needed

- 2 Gallon Spot Removal Extractor. Contact equip. rep (Nobles, NSS, Windsor) for loaner or have him accompany you.
- Long Handle Tamping Brush
- White cotton towels
- 2 Trigger Spray Bottles
- Syon-5
- Detergent spotting solution (pH 4-9)
- Alkaline Detergent solution (pH 10-12): Spotter 501 (Non-Sudsing Ammonia)
- Hot transfer solution: Red Out, Red Erasure, Red Eliminator etc
- Sodium Metabisulfite: Spotter RB, Spray n' Go
- Volatile Dry Solvent: Saf T Solv (Isopropyl Alcohol, Acetone, Mineral Spirits)
- Steam Iron (garment iron-Black and Decker makes a small travel iron) or garment steamer
- Tool Box to store solutions
- Acid Rinse Solution: Brown Out (White Vinegar)



Steps to Follow

1. Pour water into spill, push back side (opposite of nylon brushes) of tamping brush through water several times to see if you get a detergent residue. If foaming is produced, continue to extract and dilute with spot removal extractor until all foaming disappears (test by using back side of tamping brush).
2. If no foaming occurs or if spot has not disappeared, apply Syon-5 and agitate with tamping brush (nylon brush side). Allow 10 minute dwell time before extracting. Continue to extract until all foaming has subsided. If spot begins to lighten continue to repeat step 2 until the spot is removed or no more progress is made. Be patient! Sometimes several repetitions are necessary.
3. Apply detergent solution. Allow 10 minute dwell time before extracting. Continue to extract until all foaming has subsided. If spot begins to lighten continue to repeat step 2 until the spot is removed or no more progress is made. Be patient! Sometimes several repetitions are necessary.
4. If spot is still visible, apply Saf T Solv to a clean, white cotton towel. Blot the affected area from the outside toward the center of the spot. Volatile Dry Solvents usually will remove most oil-based spots.
5. If spot remains, apply the diluted sodium metabisulfite (reducing bleach- Spotter RB-SteamWay) solution. This may take several hours to accomplish removal (or Chemspec Spray n Go) Chemspec's Spray n Go is preferred but both should work.
6. Thoroughly rinse all solutions from Powerbond. Mix 4 oz of Spotter 501 (SteamWay) **and** 1 oz of Spotter RB (or Chemspec's Spray n Go) **with** 1 quart of water. Apply to the affected area and cover with a wet, (white) cotton towel. Press down with a steam iron filled with water (generating steam) and hold for 10 seconds. Examine towel for transfer. Continue to repeat. A garment steamer may be used, in the place of a steam iron by applying steam to the wet towel.

In some situations, where highly alkaline solutions have been used, browning, yellowing, or other discoloration may have appeared. In these instances, try an acid rinse such as white vinegar to see if soiled area disappears. An immediate reaction will be noticed if this is going to work.

If this doesn't work - plug it, patch it, or replace it. By this time it is a permanent stain.



Monterey C&A Crossley

Spot Removal Chart

Directions: Prevacuum prior to application of any product. Cleaning solutions are listed in the order they should be applied to the spot. Select solution #1, apply to spot, agitate and allow 10 minutes dwell time. Extract with a spot removal extractor. Continue using solution #1 as long as there is improvement. If no improvement is noticeable, move to solution #2. Continue using solution #2 as long as there is improvement or until spot is removed. Etc.
 *Crystal Dry Extra (Rewhittaker) may be substituted for Syon-5 (Tandus), except for Urine, Feces, Vomit or Milk Contamination.

	Syon - 5 (Tandus)	Warm Water Rinse	Saf-T-Solv (Bane-Clene)	Isopropyl Alcohol	Acetone	Spray n' Go (Chemspec)	Hot Transfer (Red Out)	Brown-Out (Bane-Clene)	Oxy Action (Majestic)
Adhesive (seam sealer)		3	2		1				
Asphalt Sealer	3	4	1	2					
Asphalt Track-off	3	4	1	2					
Beet Juice	1	5		2		3	4		
Betadine	3	4				1	2		
Blood	3	2,5		4					1
Butter	3	4	1	2					
Calcium Chloride (de-icer)	2	3					1		
Candle Wax		3	1	2					
Carbon (black)	2	4	3	1					
Catsup	1	2,5		3		4			
Charcoal (activated)	1	4	2	3					
Chewing Gum		3	1		2				
Chocolate	2	3	4	1				5	
Clay	2	3					1		
Coffee	1	3				2			
Cola	2	4	3	1					
Copier Toner			2	1					
Correction Fluid	3	4	2	1					
Cosmetics	3	4	1	2					
Cough Medicine / Syrup	1	2		4				3	
Crayon	2	4	1	3					
Cream	1	2		3					
Dirt (general soil)	1	2,5	3					4	
Feces	1	2	3	5				4	
Fingernail Polish	3	3,5	2		1			4	
Fingerprint Dust	2	3	4		1				
Food	1	2,4	3						
Food Coloring	1	2	3	4		6	7	5	
Food Dye	1	2	3	4		6	7	5	
Food Stains (greasy)	3	4	2	1				5	
Fruit / Fruit Juice / Punch	1	2	3	4		6	7	5	
Furniture Polish	2	3,5	4		1				
Gatorade®	1	2	3	4		6	7	5	
Glue (adhesives)	3	4	2		1				
Glycerin	2	3,5	4	1					
Grease	3	4	2	1					



Monterey C&A Crossley

Spot Removal Chart

Directions: Prevacuum prior to application of any product. Cleaning solutions are listed in the order they should be applied to the spot. Select solution #1, apply to spot, agitate and allow 10 minutes dwell time. Extract with a spot removal extractor. Continue using solution #1 as long as there is improvement. If no improvement is noticable, move to solution #2. Continue using solution #2 as long as there is improvement or until spot is removed. Etc. *Crystal Dry Extra (Rewhittaker) may be substituted for Syon-5 (Tandus), except for Urine, Feces, Vomit or Milk Contamination.

Syon - 5 (Tandus) Warm Water Rinse Saf-T-Solv (Bane-Clene) Isopropyl Alcohol Acetone Spray n' Go (Chemspec) Hot Transfer (Red Out) Brown-Out (Bane-Clene) Oxy Action (Majestic)

Gum	2	3	1						
Ice Cream	1	2	3	4					
Ink	3	4	2	1					
Iodine	1	2		3		4	5		
Jam / Jelly	1	2						3	
Kool-Aid®	1	2	3	4		6	7	5	
Lacquer		3	2		1				
Latex Caulk	1	2	3	5				4	
Lip Gloss / Lipstick	2	3	1	5				4	
Lotion	2	3	4	1					
Mayonnaise	2	3	4	1					
Mildew / Mold	Contact a Mold Remediation Specialist								
Milk	1	2		3					
Mustard	1	2,5				3	4		
Newsprint	1	2	4	3					
Oil	3	4	2	1					
Ointment	2	3	4	1					
Olives	2	3	4	1					
Paint	3	4	2		1				
Peanut Butter	2	3	4	1					
Pudding	2	3	4	1					
Pumpkin	1	2	3					4	
Rust *Rust Subtractor	2	3	4		1			5	
Salad Dressing	2	3	4	1				5	
Saline Solution	1	2	3					4	
Shoe Polish	3	4	2		1				
Soup	1	2	3	4					
Spaghetti Sauce	1	2	3	4					
Syrup	1	2	3					4	
Tomatoes / Sauces	1	2	3	4					
Unknown	2	3	4		1	6	7	5	
Urine	1	2							
Vaseline	2	3	4	1					
Vomit	1	2,6	3	4					5
Wax, Floor	4	3,5			1	2			
Wine	1	2	3			5	6	4	
Yellowing	3	4			2			1	



FLOORCOVERINGS
A TANDUS™ GROUP COMPANY

CARE - QUICK REFERENCE

A. Entry Mats

Allow at least 4 to 6 “foot falls” on each mat if possible.

- | | | | | | |
|----|--------------|----|-----------|----|--------------|
| 1. | Exterior Mat | 2. | Foyer Mat | 3. | Interior Mat |
|----|--------------|----|-----------|----|--------------|

Exterior mats can be swept daily to remove loose debris. Scrub and hose down as needed to remove grease or oil deposits. Interior and foyer mats should be vacuumed daily and extraction cleaned as needed.

B. Vacuuming

Two-Motor Vacuum or Backpack Vacuum, using slow overlapping vacuum passes. Heavy traffic areas, such as traffic lane, pivot points, checkout counters, phone banks, elevators, etc., may require interim pile lifting.

C. Spot Cleaning

Unknown Spots -

1. Flush with water. Blot or extract thoroughly.
2. Check for spot transfer. (White towel test)
3. Use appropriate spot cleaner. (Ex: C&A's Syon-5; Chemspec's Spray & Go)
4. Rinse thoroughly.

Oil-Based Spots: Tar, Gum, Etc.

1. Apply solvent base spot cleaner to towel and blot thoroughly. (Ex: Bane-Clene's Saf-T-Solv)
2. Extract remaining residue.

Water-based spots: Colas, Juices, Coffee, Etc.

1. Use same procedure as listed above for Unknown Spots.
2. Use Tannin Remover for coffee, tea or beverage spills.

A. Water Extraction

Frequency will be determined by traffic. Powerbond should be cleaned before soil or traffic patterns are Visible.

1. Vacuum.
2. Apply appropriate pre-spray.
3. Agitate / Pile lift
4. Allow recommended dwell time.
5. Rinse/extract using clean water only.
6. Use floor fans to dry flooring thoroughly before allowing traffic on it.

HELPFUL HINTS:

1. If area is very dirty or has a detergent buildup, it will be necessary to make more than two passes. Check the recovery tank. If the water is very dirty or a lot of foam is present, make additional passes over the soiled area.
2. If the area required several passes, make several “vacuum only” passes for maximum water recovery. These extra passes will reduce drying time.



Tandus

Monterey C&A Crossley

Approved Cleaning Products - Low Moisture

P.O. Box 1447, Dalton, Georgia 30722-1447
800.241.4902 Ex. 2120 ■ carpetcare@tandus.com

CLEANING PRODUCTS - LOW MOISTURE CLEANING		
Manufacturer	Product	Date
Adventus Consumer Products	Force Out Stain Remover	September 2003
Aramark	Fiber Fresh Liquid Ultra Clean Extraction Cleaner	December 2003
Buckeye International	Gone	September 2003
Buckeye International	Pathfinder	September 2003
Carbonated Solutions	No-Soap Self-Carbonating Carpet Cleaner	November 2003
C&A Floorcoverings	SYON - 5	January 2005
Clean Control Corp	BioTotal Control	January 2005
Cleaning Tech Group	Answer / Paragon	September 2003
CTI	Pro's Choice CPM Carpet Cleaner	December 2004
Dupont	Carpet Prespray and Extraction Cleaner	November 2003
Envirox LLC	Quick Spot	October 2003
Envirox LLC	Carpet Complete	October 2003
Hillyard	Double Down	July 2006
Hillyard	Carpet Prespray & Extraction	July 2006
James Varley Solutions	Release	October 2005
Johnson Diversey	Butchers Head Start Carpet Prespray	December 2003
Johnson Diversey	Butchers Percolator (GP & Coffee Remover)	December 2003
Majestic	OxyAction	June 2004
Majestic	Resoil Resistant Prespray	June 2004
Majestic	Triple Action Spotter / Deodorizer	April 2004
Matrix	Super En Cap Soil Plus	April 2004
NEx Systems	NEx-Zyme Plus	April 2005
Philip Rosenau Co.	NSR Multi-Use Carpet Cleaner	October 2005
ProChem	CSE/Rombus Cpt Clean	April 2005
ProChem	ProCaps	June 2005
ProChem	ProCaps Later	October 2005
Pro-Link	Spin Shield	August 2005
Pro-Link	All Purpose Carpet Spotter	August 2005
Pro-Link	Professional Coffee Spray	August 2005
Ramsey Company	Kil Odor Enzyme Spotter	February 2004
Ramsey Company	Professional / General Purpose Carpet Spotter	March 2004
Ramsey Company	Rinsoft	February 2004
R.E. Whittaker	Crystal Dry (CD-1)	October 2005
R.E. Whittaker	Crystal Dry RTU	October 2005
R.E. Whittaker	Crystal Dry Extra (CDX-2)	October 2005
R.E. Whittaker	Crystal Extract (CEP-3)	October 2005
R.E. Whittaker	Crystal Odor Pro (COP-6)	October 2005
R.E. Whittaker	Crystal Pain, Oil, Grease Remover (CPOG-7)	October 2005
R.E. Whittaker	Crystal Red Stain Plus (CRS-5)	October 2005
R.E. Whittaker	Crystal Spotter (CS-4)	October 2005
Renew Systems, Inc.	NuVac Vacuum Enhance Prespray Solution	April 2005
Renown	Multi Enzyme Spotter / Deodorizer	April 2004
Renown	Low Moisture Prespray	June 2004
Renown	Multi-Enzyme Spotter & Deodorizer	June 2004
Renown	Oxy-Triple	June 2004
Scot Laboratories	PrimeTime	October 2003
Scot Laboratories	FoamDry	February 2004
Scot Laboratories	Instant Suds	March 2005
Scot Laboratories	Performance Balanced Extraction Cleaner	March 2005
Scout Systems	Poly Wash	January 2005
Scout Sytems	Progress-A-Clean	January 2005
Scout Systems	Troubleshooter	January 2005
3M Scotchgard	Extraction Cleaner	September 2003
Spartan Chemical Company	Contempo V	February 2004
Triple S	Solvent Spot Remover	April 2005
Triple S	Heavy Duty Carpet Stain Remover	April 2005
Triple S	Extended Care	April 2005



Tandus

Monterey C&A Crossley

Approved Cleaning Products - Low Moisture

P.O. Box 1447, Dalton, Georgia 30722-1447
800.241.4902 Ex. 2120 ■ carpetcare@tandus.com

CLEANING PRODUCTS - LOW MOISTURE CLEANING

Manufacturer	Product	Date
Tonka Mills	Nylac Carpet Cleaner	May 2006
Waxie	FiberCare II	December 2003
Whiteley Industries	Fabrisan	July 2003
Whittaker	Crystal Dry Extract Carpet Pre Spray	March 2005
Whittaker	Crystal Red Stain Plus	March 2005
Windsor	Red Carpet - Rombus Carpet Clean	April 2005

ABSORBENT COMPOUNDS

Manufacturer	Product	Date
Racine Industries	Host SJ Dry Extraction Sponges	April 2004
Racine Industries	Host Extra-Zapper Sponges	April 2004

TOWELETTES / WIPES

Manufacturer	Product	Date
Majestic	Triple Action Wipes	April 2005
Renown	Multi Enzyme Spotter / Deodorizer Wipes	April 2004
Triple S	Carpet Spot Wipes	December 2003

C&A does not advocate the application of any cleaning solution via the rinse than of an extraction machine.

The above listed chemistry has been evaluated for the listed criteria only. No evaluation of cleaning efficacy has been performed.

All cleaning agents shall have the following characteristics:

- Contain NO optical brighteners.
- Shall NOT dry with a sticky or oily residue and must be resoil neutral. Should not contain d'limonene or any lauryl sulfate derivative.
- Have a pH between 4 and 9.
- Should NOT damage nylon face yarn or remove / mute color.
- Should not contain a bleaching agent.
- May not alter fiber color in any way.
- Must dry to a crystalline structure that readily shatters for effective removal via dry vacuuming.



Tandus

Monterey C&A Crossley

Approved Cleaning Products - HWE Pre-Spray

P.O. Box 1447, Dalton, Georgia 30722-1447
800.241.4902 Ex. 2120 ■ carpetcare@tandus.com

CLEANING PRODUCTS - PRE-SPRAY FOR HOT WATER EXTRACTION

<i>Manufacturer</i>	<i>Product</i>	<i>Date</i>
Adventus Consumer Products	Force Out Odor Eliminator	September 2003
Aramark	Fiber Fresh Liquid Ultra Clean Extraction Cleaner	December 2003
Buckeye	Awaken	September 2003
Buckeye	Gone	September 2003
Buckeye	Pathfinder	September 2003
Carbonated Solutions	No-Soap, Self-Carbonating Carpet Cleaner	November 2003
C&A Floorcoverings	SYON - 5	January 2005
Clean Control Corp	BioTotal Control	January 2005
CTI	Pro's Choice CPM Carpet Cleaner	December 2003
Dupont	Carpet Prespray & Extraction Cleaner	November 2003
Dupont	General Purpose Spotter	November 2003
Envirox LLC	Quick Spot	October 2003
Envirox LLC	Carpet Complete	October 2003
Hillyard	Double Down	July 2006
Hillyard	Carpet Prespray & Extraction	July 2006
James Varley Solutions	Release	October 2005
James Varley Solutions	Shield Protectant	October 2005
James Varley Solutions	Siege Extraction Cleaner	October 2005
James Varley Solutions	Assault	October 2005
Johnson Diversey	Butchers Head Start Carpet Prespray	December 2003
Johnson Diversey	Butchers Percolator (GP & Coffee Remover)	December 2003
Johnson Diversey	Heavy Duty Prespray	October 2005
Johnson Diversey	Heavy Duty Prespray SC	October 2005
Johnson Diversey	Extraction Rinse	October 2005
Majestic	Carpet Extraction Cleaner	April 2004
Majestic	Carpet Rinse & Neutralizer	April 2004
Majestic	Carpet Sanitizing Extraction / Pre-Spray Cleaner	April 2005
Majestic	Concentrated Extraction Cleaner	April 2005
Majestic	OxyAction	June 2004
Majestic	Resoil Resistant Prespray	June 2004
Majestic	Triple Action Spotter / Deodorizer	April 2004
Majestic	Triple Action Wipes	April 2005
Matrix	Super En Cap Soil Plus	April 2004
Microban	Clean Carpet Sanitizer	June 2005
Microban	Clean Carpet Sanitizer Prespray	June 2005
Microban	QGC	June 2005
Microban	X580	June 2005
Microban	Disinfectant Spray Plus	June 2005
NEx Systems	NEx-Zyme Plus	April 2005
Organic Compounds	Power Plus Powder	August 2003
Philip Rosenau Co.	NSR Multi-Use Carpet Cleaner	October 2005
Plus Manufacturing	Procyon	January 2006
Polymer Concepts	SSR Extraction	October 2005
Portion Pae	1207 Steam Extraction	May 2004
Prochem	All Fiber Rinse	January 2004
Prochem	CSE/Rombus Cpt Clean	April 2005
Prochem	Olefin Deep Clean S103	January 2004
Prochem	Olefin Preclean E827	January 2004
Prochem	ProCaps	June 2005
Prochem	ProCaps Later	October 2005
Prochem	Ultrapaee TrafficClean	January 2004
Prochem	Ultrapaee PreTreat S903	January 2004
ProLink	All Purpose Carpet Spotter	October 2005
ProLink	Professional Coffee Spray	October 2005
ProLink	Spin Shield	October 2005
Racine Industries	Host Extra Extractor Sponges	May 2004
Racine Industries	Host Spot Zapper Extractor Sponges	May 2004
Ramsey Company	Kil Odor Enzyme Spotter	February 2004
Ramsey Company	Professional General Purpose Carpet Spotter	March 2004
Ramsey Company	Rinsoft	February 2004



Tandus

Monterey C&A Crossley

Approved Cleaning Products - HWE Pre-Spray

P.O. Box 1447, Dalton, Georgia 30722-1447
800.241.4902 Ex. 2120 ■ carpetcare@tandus.com

CLEANING PRODUCTS - PRE-SPRAY FOR HOT WATER EXTRACTION

Manufacturer	Product	Date
R.E. Whittaker	Crystal Dry (CD-1)	October 2005
R.E. Whittaker	Crystal Dry RTU	October 2005
R.E. Whittaker	Crystal Dry Extra (CDX-2)	October 2005
R.E. Whittaker	Crystal Extract (CEP-3)	October 2005
R.E. Whittaker	Crystal Odor Pro (COP-6)	October 2005
R.E. Whittaker	Crystal Pain, Oil, Grease Remover (CPOG-7)	October 2005
R.E. Whittaker	Crystal Red Stain Plus (CRS-5)	October 2005
R.E. Whittaker	Crystal Spotter (CS-4)	October 2005
Renew Systems, Inc.	NuVac Vacuum Enhance Prespray Solution	April 2005
Renown	Sanitizing Extraction / Prespray Cleaner	June 2004
Renown	Carpet Extraction Cleaner	April 2004
Renown	Carpet Rinse & Neutralizer	April 2004
Renown	Low Moisture Prespray	June 2004
Renown	Multi-Enzyme Spotter & Deodorizer	June 2004
Renown	Oxy-Triple	June 2004
Scout Systems	Poly Wash	January 2005
Scout Systems	Porgress-A-Clean	January 2005
Scout Systems	Reach Deep	January 2005
Scout Systems	UnDo	January 2005
Scout Systems	Troubleshooter	January 2005
Scot Laboratories	FoamDry	February 2004
Scot Laboratories	PowerMax	September 2003
Scot Laboratories	PrimeTime	September 2003
Scot Laboratories	Instant Suds	March 2005
Scot Laboratories	Performance Balanced Extraction Cleaner	March 2005
Scot Laboratories	Performance Balanced Pre-Spray	March 2005
ServiceMaster	FiberFresh Crystal Care	September 2003
Spartan Chemicals	Contempo V	February 2004
Spartan Chemicals	Green Solutions Carpet Cleaner	October 2003
Super All Products	Cleaner, Degreaser, Dispersant	October 2004
Super All Products	Carpet & Fabric Cleaner	October 2004
Super All Products	Super All	October 2004
3M	Liquid Stain Remover	September 2003
Tonka Mills	Nylac Carpet Cleaner	May 2006
Triple S	Solvent Spot Remover	April 2005
Triple S	Heavy Duty Carpet Stain Remover	April 2005
Triple S	Carpet Spot Wipes	April 2005
Triple S	Bio-Enzymatic Spotter	April 2005
Triple S	Carpet Rinse Plus	April 2005
Triple S	Enz-Odor II (Cherry / Almond)	April 2005
Triple S	Enz-Odor II (Pleasant Scent)	April 2005
Triple S	Extended Care	April 2005
Triple S	Fiber-All	April 2005
Triple S	Triple	April 2005
VonSchrader *	BeFORE Traffic Lane Cleaner	August 2004
VonSchrader *	Anti-Resoil Carpet Detergent	August 2004
Waxie	FiberCare II	December 2003
Windsor	Red Carpet - Rombus Carpet Cleaner	April 2005
Windsor	Red Carpet - Super Conditioning Rinse	April 2005
Windsor	Red Carpet - Wool & Natural Fiber Cleaner	April 2005

ABSORBENT COMPOUNDS

Manufacturer	Product	Date
Racine Industries	Host SJ Dry Extraction Sponges	April 2004
Racine Industries	Host Extra-Zapper Sponges	April 2004

*The chemistries are required to be used as a system utilizing VonSchrader equipment.

C&A evaluates chemistry that may be used as a prespray only! C&A does not advocate the use of any solution which is added to the extractor rinse tank.

The above listed chemistry has been evaluated for the listed criteria only. No evaluation of cleaning efficacy has been performed.

All cleaning agents shall have the following characteristics:

- Contain NO optical brighteners.
- Shall NOT dry with a sticky or oily residue and must be resoil neutral. Should not contain d'limonene or any lauryl sulfate derivative.
- Have a pH between 4 and 9.
- Should NOT damage nylon face yarn or remove / mute color.
- Should not contain a bleaching agent.
- May not alter fiber color in any way.
- Must be used as a Prespray only, followed by a clear water rinse.

EXTRACTORS		VACUUM CLEANERS	
Manufacturer	Model Name / Number	Manufacturer	Model Name / Number
Bane-Clene	MegaPort	Dyson	DC07 Bagless Vacuum
Bane-Clene	UltraPort	Kent / Euroclean	Edge 12 Upright Vacuum
Bane-Clene	All Truck Mounts	Kent / Euroclean	Champion 28 Wide Area Vacuum
Nilfisk Advance	Aqua Pro H	Kent / Euroclean	Whisperclean Vacuum - Canister
Nilfisk Advance	Aqua Pro XP	NACE	NNV Series, NVR Series, NVQ Series-Canister Vacuums
Nilfisk Advance	Aqua Ride - Rider	NACE	RSV Series-Back Pack Vacuums
Nilfisk Advance	Aqua Max	NACE	E Series - Upright
Nobles	Explorer 1500	NACE	E 700 - Wide Area Vacuum
Nobles	Explorer 1500H	NACE	NVQ Series - HEPA Vacuums
Nobles	Falcon 2800 PLUS	Nilfisk Advance	Canister Vacuum
Nobles	Frontier	Nilfisk Advance	Carpe Twin 14/18 Vacuum
Nobles	Power Eagle 1016	Nilfisk Advance	Carpetriever 28 Wide Area Vacuum
Nobles	Power Eagle 1020	Nilfisk Advance	Power One 12 Vacuum
Nobles	Strive	Nobles	PortaPac
North America Cleaning Equipment (NACE)	Avenger 12 QX, TP-18SX, TP12QX	Nobles	Magna Twin 16
NACE	Avenger 18AX	Nobles	Magna Twin 22
NSS	Pony 20 SCA	Nobles	Magna Twin 26
NSS	Predator 300 HHP	Nobles	Viper
NSS	Predator CXH 100	NSS	Pacer 30 - Wide Area Vacuum
NSS	Stallion 8 SC	NSS	PIG M1
Pacific	Tsunami	Pacific	AURA - Wide Area Vacuum
Steamin Demon Company	Steamin Demon II	Pacific	Genius 14/18
The Butler Corporation	Butler System - Truck Mount	Pro-Team	All Models
The Butler Corporation	Butler Stationary Electric System	Racine Indus, Inc.	Host Extractor VAC Liberator EVM
Tennant	1610	Racine Indus, Inc.	Host Extractor VAC Freestyle E-8
Tennant	1530	Tennant	3050
Tennant	1280	Tennant	3000
Tennant	1260	Tennant	3220
Tennant	1240	Tennant	3240
Tennant	1160	Tennant	3260
Tennant	1180		

Approved Equipment Listing

Page 2 of 3

EXTRACTORS - CONTINUED		VACUUM CLEANERS - CONTINUED	
<i>Manufacturer</i>	<i>Model Name / Number</i>	<i>Manufacturer</i>	<i>Model Name / Number</i>
Tornado	Marathon 800	Tornado	CV-30 (upright)
Tornado	Marathon 1200	Tornado	CV-38 (upright)
Tornado	Marathon 2000	Tornado	CW-50 (upright)
Triple S	Hi-Flow	Tornado	CW-100 (upright)
US Products	Cobra H	Tornado	CK-3030 (wide area)
US Products	HHP 300	Tornado	Super Pro Pac (back pack)
US Products	HHP 210	Tornado	Pro Pac (back pack)
US Products	King Cobra 300	Tornado	T12/1 (canister)
US Products	King Cobra 310	Triple S	LAV-30 Wide Area Vacuum
US Products	King Cobra 500	Triple S	Pro-Twin Deluxe Upright Vacuum
US Products	King Cobra 1200	Windsor	Sensor SR 12
US Products	Moccasin 816	Windsor	VAC PAC
US Products	Moccasin 2022	Windsor	Versamatic PLUS
US Products	AG-20	Windsor	Wave Wide Area Vacuum
VonSchrader	LMX and VX Mach - 12		
Windsor	Admiral		
Windsor	Cadet		
Windsor	Clipper		
Windsor	Commodore		

Approved Equipment Listing

Page 3 of 3

SOIL TRANSFER EXTRACTION			
Manufacturer	Model Name / Number	Manufacturer	Model Name / Number
Nobles	Strive	Tennant	Ready Space 1610
CYLINDRICAL BRUSH SCRUBBER / WET PILE LIFTERS			
Manufacturer	Model Name / Number	Manufacturer	Model Name / Number
Host	Extractor VAC Freestyle E-8	Windsor	iCapsol Interim Cpt Clnr - Mini
Host	Extractor VAC Liberator EVM	Whittaker	LoMAC 10
Host	Reliant T-5	Whittaker	LoMAC 15
NACE	DP420 DuPlex Hydrowasher	Whittaker	LoMAC 20
		Whittaker	Roto-Wash
RIDER VACUUM / BATTERY POWER SWEEPERS			
Manufacturer	Model Name / Number	Manufacturer	Model Name / Number
Tennant	Power Sweeper 6100 - Rider	Tennant	Scout 37B - Walk Behind
PORTABLE SPOT EXTRACTORS			
Manufacturer	Model Name / Number	Manufacturer	Model Name / Number
Bane-Clene (Mytee)	Tempo	Tornado	PS 8220
Kent / Euroclean	Selectspot	Tornado	PZ-100
Nilfisk Advance	Aqua Spot	Triple S	Power Spotter 2
Nobles	Anser	US Products	CX3
NSS	Predator CX3	US Products	Triple Play Spotter
Pacific Steamex	Hot Spot	Windsor	Presto
Tennant	1000	NACE	AV 4X (upright spotter)
RIDER EXTRACTORS			
Manufacturer	Model Name / Number	Manufacturer	Model Name / Number
Nilfisk / Advance	Aqua Ride		
STAND-UP EXTRACTORS - BATTERY POWERED		STAND-UP VACUUMS - BATTERY POWERED	
Manufacturer	Model Name / Number	Manufacturer	Model Name / Number
Windsor	iCapsol Chariot	Windsor	iVacuum 28" - Chariot
Windsor	iExtract - Chariot		