

Carpet Floor Care Method Bulletin 1401



Maintenance systems and chemicals for cleaning, removing spots and protecting carpets.

Extraction
Super Synth Clean
Karpetreet II
Defoamer
Pre-Treat
ECO₂
Carpet Spotting Kit
ExtracShield
SpinShield



STOP - READ BEFORE PROCEEDING

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Multi-Clean at (651) 481-1900 to arrange training.

DO NOT USE THIS MULT-CLEAN SYSTEM OR ITS COMPONENT PRODUCTS WITHOUT APPROPRIATE TRAINING.

Multi-Clean[®] Method of Carpet Care

Owners of carpeted areas expect carpet to last a long time and to look good during the period of use. This can be achieved if a system of planned carpet maintenance is used. There are several different methods for maintaining carpets. Determining the proper maintenance program for your carpet depends on many different factors including:

- Types of Carpet
- Traffic patterns
- Amount of down time available for maintenance
- Type of facility (Offices, hallways, entrances, medical, industrial, education, residential, etc)
- Equipment Available

An effective system includes daily, interim, deep, restorative, and spotting procedures. An optional fiber protection step to retard resoiling and resist staining can also be included, if desired. Multi-Clean has products and programs for all different carpet maintenance methods, depending on your needs.

Which Carpet Cleaning Method should I use?

There are advantages and disadvantages to every system. Here are most commonly used maintenance procedures used for maintaining today's carpets with the advantages and disadvantages listed.

Type of Cleaning **Extraction Cleaning** **(Conventional Method)**

See page 2 for details

Advantages
No/Little Residue
Deep Cleans Carpets

Disadvantages
Leaves carpets wetter
Longer dry time
Time Consuming
Must use Post Protection Products

Encapsulating Cleaning

See page 3 for details

Low Moisture, dries quickly
Oxygen Power destroy's malodors
Encapsulating polymer captures dirt
No Residue

Bonnet Cleaning **(Carpet Shield System)**

See page 4 for details

Faster, cost efficient
Contains soil repellent technology
Low Moisture, dries quickly
Carpet back into service quickly

Can't be used on residential carpets
Cleans only the surface of carpets
Must deep extract every 4th time.

Restorative Cleaning

See page 5 for details

Cleans carpets that were neglected
Most aggressive cleaning
Keeps carpets from being replaced

Must rinse out all residue
Longer cleaning time
Longer dry times

Carpet Spotting

See page 5 & 6 for details

Cleans spots in small areas

Extraction Cleaning System

Vacuum / Spot / Extract / Post-Protect

The Conventional Carpet Cleaning System consists of four separate procedures for maintaining carpets.

FREQUENCY	METHOD	CHEMICAL
1. Daily	Vacuuming	—
2. Daily/Weekly	Carpet Spotting	Carpet Spotting Kit Foaming Carpet Spotting Kit
3. Monthly to Annual**	Extraction	Extraction Pre-Treat Defoamer
4. Post-Protect	Spray	Karpetreet II



** The frequency at which these methods are employed depends on traffic levels and the type and amount of soil tracked into the building. Entryway matting can reduce the levels of soil considerably.

1. VACUUMING

Purpose: Vacuuming is the most important step to clean and a prolonged life of the carpet. Pieces of sand and grit can fall to the base of the carpet and, as the carpet is walked on, abrade or cut the fibers. Frequent vacuuming reduces the amount of grit and removes the particulate dirt and dust in the carpet.

2. CARPET SPOTTING

Purpose: Foreign substances are often spilled or tracked onto carpet leaving stains which do not come out with normal cleaning. In these cases the stains must be treated with specialized spotting chemicals and techniques.

Chemicals: Carpet Spotting Kit, Foaming Carpet Spotting Kit.

Equipment: Minuteman Gotcha

Method: Please refer to page 6 & 7 for complete instructions on proper Carpet Spotting Techniques.

3. EXTRACTION CLEANING

Purpose: Extraction is a deep cleaning method that uses a detergent solution to remove oily soil, many spots, grit, and particulate soil quickly without excess abrasion to the carpet. Because the spent cleaner is immediately vacuumed out of the carpet, detergent residues are minimized vs. other methods.

Chemicals: Pre-Treat and Extraction

Equipment: Minuteman Ambassador, Ambassador Jr., Rugmaster, or ACS, Carpet Dryer (optional)

Method: 1) Police the area carefully for large pieces of litter. 2) Vacuum the carpet thoroughly with a vacuum cleaner or pile lifter. 3) Pre-spray heavy traffic lanes with **Pre-Treat**. Allow the **Pre-Treat** to work for approximately 5 - 10 minutes to loosen soil. Do not allow the Pre-Treat solution to dry. 4) Extract the carpet using **Extraction** diluted at 1 oz./gallon. 5) Allow the carpet to dry completely before opening to traffic. A Carpet Dryer may be used to speed drying. 6) See Carpet Protection section if carpet soil/stain protection is desired.

4. CARPET SOIL/STAIN PROTECTION

Purpose: While normal vacuuming removes the particulate soil present in carpet, the vacuuming process can be improved by the use of Karpetreet II. This treatment allows particulate soil to be released from the carpet more effectively during vacuuming. It can also protect the carpet from stains.

Chemicals: Karpetreet II

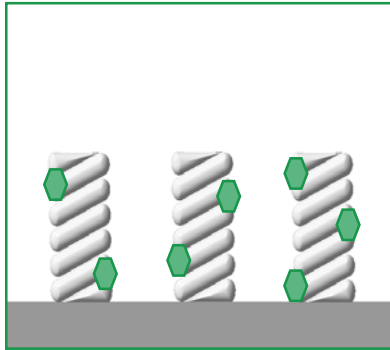
Equipment: A pump-up or mechanical low-pressure sprayer (50 PSI maximum)

Method: The carpet can be treated while it is still damp after extraction cleaning or it can be treated when dry; damp is recommended. 1) While the carpet is still damp, apply a solution of 1 part Karpetreet II diluted with 2 parts water to the carpet at a rate of 1 diluted gallon per 200 square feet. 2) Allow the carpet to dry completely before opening to traffic.

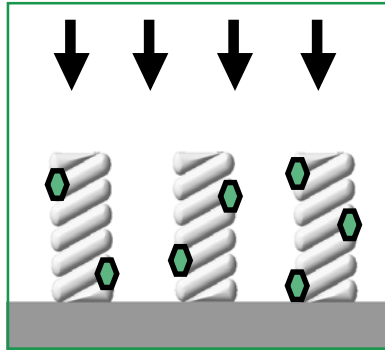
Encapsulation Cleaning System

The **Encapsulating Cleaning System** is a low moisture system that encapsulates soil for easy removal and no residue left on the carpets. Hydrogen peroxide supplies oxygen (O_2) to help destroy odors and power out soils, leaving carpets looking and smelling fresh. Fresh and clean carpets are faster and easier than ever before.

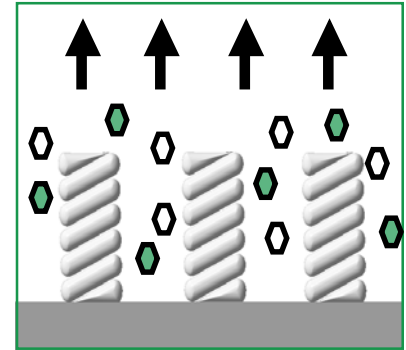
Here's how it works...



Soil particles and greasy dirt attach to carpet fibers.



ECO_2 surrounds and encapsulates dirt and soil.



Vacuuming breaks up encapsulated soils and detergent for easy pick-up.

The Benefits

Encapsulation of Soils: Clean carpets that stay clean longer - encapsulation technology uses a crystalline polymer that surrounds soils and detergent residues. When the carpet is dry, the brittle polymer fractures, creating residue that is easy to vacuum, leaving carpets virtually free of contaminants. That means no rapid re-soiling of the carpet. Contaminant free carpet means NO sticky residue that can promote re-soiling, allowing carpet to stay clean longer.

Low Moisture: Dramatically reduce downtime - return carpets to service is as little as 1 hour. Use a cylindrical brush machine equipped with nylon brushes or a conventional floor machine with a carpet brush or spin bonnet to work the encapsulating solutions into the carpet.

Fresh Carpets: O_2 attacks stains and freshens carpets - odor causing bacteria, mold and mildew, can proliferate in carpets under the right conditions, causing malodors. The oxygen allows for color safe bleaching of stains and the ability to destroy odors in carpets so that they look and smell clean.

Chemicals: ECO_2 Encapsulating Carpet Cleaner

Equipment: A low-speed rotary floor machine, spin bonnet and driver, pump-up or mechanical sprayer and mop bucket, Port-A-Scrub, carpet dryer (optional)

Method:

1. Vacuum carpet thoroughly. 2. Apply the solution to carpet, working in small sections at a time. Mix ECO_2 with water at 1:10 (12 oz/gal) in a low pressure pump up sprayer. One gallon of diluted product covers approximately 800 - 1,000 square feet. 3. Allow to stand 2-5 minutes, then agitate with a counter rotating cylindrical brush machine using soft nylon (black) brushes. Alternative: a floor machine equipped with a pre-moistened spin bonnet can also be used. Allow carpet to dry 30-60 minutes before opening to traffic. 5. Vacuum floor as time permits.



1
Vacuum



2
Apply ECO_2
and wait 2 -
5 Minutes



3
Scrub and
wait 30- 60
Minutes



4
Vacuum

Carpet Shield Spin Bonnet System

This system consists of three different levels of maintenance and leaves a stain repellent on the carpet at the time that it is being cleaned to resist oily staining.

	LEVEL	METHOD	CHEMICAL
1.	Daily	Vacuuming	---
2.	Interim	Spin-Bonnet Cleaning	SpinShield
3.	Deep Cleaning	Extraction	ExtracShield



The frequency at which the methods are employed depends on the traffic and soil levels. Normally the carpet is deep cleaned with ExtracShield to start the program. It is then spin-bonneted periodically, as often as needed to maintain a consistently high level of appearance. After bonneting several (3 - 4) times, the carpet is then deep cleaned with ExtracShield to begin the process again.

1. VACUUMING

Purpose: This step is important to clean and prolong the life of the carpet. Pieces of sand and grit can fall to the base of the carpet fibers and, as the carpet is walked on, abrade or cut the fibers. Frequent vacuuming reduces the amount of grit and removes the particulate dirt and dust in the carpet.

Equipment: Upright Vacuum

2. EXTRACTION CLEANING

Purpose: This step is used to thoroughly deep clean the carpet and remove particulate soil, oily soil, and various spots before beginning, and periodically throughout the Carpet Shield Program.

Chemicals: ExtracShield

Equipment: Ambassador, Ambassador Jr., Rugmaster, or ACS, Carpet Dryer (optional)

Method: 1) Police the area carefully for litter and check for loose strands of carpeting. Repair them properly. 2) Vacuum the carpet with a vacuum cleaner or pile lifter. 3) Pre-spray heavily soiled traffic lanes with a solution of ExtracShield diluted at 2 oz. per gallon of water. Allow it to act on the greasy soil for approximately 10 - 15 minutes. Only 20% of the carpet is generally in need of this step. 4) Extract the entire carpet with a solution of ExtracShield diluted at 2 oz. per gallon of water. 5) Allow carpet to dry completely before opening to traffic. A Carpet Dryer can be used to accelerate drying.



3. SPIN-BONNET CLEANING

Purpose: Regular spin-bonnet cleaning with SpinShield cleans the carpet to maintain a consistently high level of appearance and treats the carpet with an advanced stain repellent to resist oily stains.

Chemicals: SpinShield, Pre-Treat

Equipment: A low-speed rotary floor machine, spin bonnet and driver, pump-up or mechanical sprayer and mop bucket, Carpet Dryer (optional)

Method: 1) Vacuum the carpet thoroughly. 2) Pre-spray carpet until slightly moistened with a solution of 4 oz. per gallon of SpinShield. Pay particular attention to traffic lanes. Allow solution to loosen the soil for approximately 10 - 15 minutes. 3) Soak a bonnet in a solution of SpinShield diluted at 2 oz. per gallon of water for 10 minutes. Wring out bonnet thoroughly. Start another bonnet soaking. 4) Bonnet the carpet, turning the bonnet over as often as needed, depending on the soil load in the carpet. When both sides of the bonnet have been used, return it to the mop bucket and exchange it for a fresh bonnet. 5) Allow the carpet to dry completely before opening the area to traffic. A Carpet Dryer may be used to accelerate drying.



Restorative Cleaning System

Purpose: This is an aggressive, heavy-duty cleaning method for use on heavily soiled and matted-down carpet in areas such as traffic lanes, landings, entryways, etc., when other methods have proven insufficient. It is effective because it combines the aggressive cleaning power of Super Synthe-Clean High Foaming Carpet Shampoo and a rotary brush scrubbing with the rinsing feature of extraction to remove the used shampoo. This method is normally used on heavily soiled, matted-down areas at the same time the rest of the floor is extraction cleaned.

Chemicals: Super Synthe-Clean, Pre-Treat and Defoamer

Equipment: A low speed rotary floor machine with solution tank, shower-feed nylon brush, Ambassador, Ambassador Jr., Rugmaster or ACS and Carpet Dryer (optional)

Method: 1) Police the area carefully for litter and check for loose strands of carpeting. Repair them properly. 2) Vacuum the carpet thoroughly with a pile lifter or vacuum cleaner. 3) Pre-spray the areas to be cleaned with Pre-Treat and allow it to work for approximately 10 minutes. 4) Shampoo the carpet using a low speed rotary floor machine with Super Synthe-Clean diluted at 8 oz. per gallon in the solution tank and a nylon brush. Dispense enough solution to create a good head of foam. 5) Extract the spent shampoo using clear water in the extractor. Before extracting, add a solution of 4 oz. Defoamer in 1 quart of warm water to the extraction recovery tank. Do not add Defoamer to the solution tank or the carpet. 6) Allow the carpet to dry completely before opening the area to traffic. A Carpet Dryer can be used to accelerate this process. 7) The carpet can be treated with Karpetreet II soil/stain repellent while still wet, if desired. See Carpet Soil/Stain Protection section for details.



Carpet Spotting Kit

The **Carpet Spotting Kit** contains five specialized carpet spot removers formulated to remove a wide assortment of stains from commercial and institutional carpeting. An easy to follow, spotting guide simplifies effective spot removal with step-by-step instructions. Spotting chemicals are clearly labeled to match the spotting guide.

Generally, one all-purpose spotter is not capable of removing all of the possible types of stains and odors found in carpets. Instead, a series of specialized spotters is necessary, including acidic, alkaline, solvent and biologically based chemicals as we have tailored in kit.



101 Carpet Spotter: General purpose alkaline spotter for removing greases, oils, traffic spots and other assorted spots.

102 Beverage Stain Remover: Mild acid spotter formulated to remove stains caused by coffee, tea, cola, beer, wine, fruit juice, and other similar stains.

103 Take-Out: High performance carpet spotter formulated to remove food stains. Also used for catsup, blood, vomit, chocolate, tomato and other similar stains.

104 Bio-Power: Biological odor neutralizer. Use to neutralize putrid odors from stale urine, rotting garbage and other similar sources.

105 Non-Volatile Dry Spotter: Solvent blend formulated to remove paint, oil, grease, tar, lipstick, shoe polish and ink stains. Contains no chlorinated solvents.



Stain Category Chart				
A	B	C	D	E
Acidic	Alkaline	Enzymatic	Solvent	Biological
102	101	103	104	105



1. Identify spot/stain and find it on the spotting chart. Follow the recommended procedure.

2. Squirt, not spray, spotter onto spot.

3. Agitate, not brush, the spotter into the stained area of carpet. Avoid making the spot larger.

4. Rinse the treated spot out of the carpet using the Minuteman Gotcha or the hand tool with an extractor.

Carpet Maintenance Chemicals

Extraction is a concentrated, low foaming detergent for extraction cleaning. It is formulated from a blend of surfactants, mild detergent builders, solvents, an optical brightener and additives for use on commercial and residential carpeting, including stain resistant nylon. This product does not leave a sticky residue behind.

ECO₂ Encapsulating Cleaner uses a crystalline polymer that surrounds soils and detergent residues. When the carpet is dry, the brittle polymer fractures, creating residue that is easy to vacuum, leaving carpets virtually free of contaminants. Contaminant free carpet means NO sticky residue that can promote re-soiling, allowing carpet to stay clean longer.

Super Synthe-Clean is a high foam shampoo formulated for rotary brush shampooing. It contains a specialized blend of cleaning agents and produces a high foam for controlled carpet wetting. Great for Reclamation Cleaning.

Pre-Treat is formulated to pre-spray heavily soiled traffic lanes prior to extraction or shampooing and is also used for spin bonnet cleaning. It is formulated with surfactants, detergent builders and cleaning solvents to loosen greasy soil.

Carpet Spotter is a general carpet spotter for use on a variety of stains, including grease and oils. It may be used alone or in conjunction with extraction or shampooing. It is also recommended if the identity of the stain is unknown. It dries to a non-sticky residue to prevent increased carpet resoiling.

Defoamer is a silicone based defoaming compound for use in the recovery tank of all extraction equipment. It is particularly useful with the Shampoo/Extraction method or when extracting carpet that has been previously cleaned with high foam shampoos.

Odor-Out is a concentrated deodorant with a pleasant aroma. It may be used as a room deodorant spray or added to the carpet detergent.

Back To 7 Neutralizer, is a mild acid formula that neutralizes alkaline residues, removes browning and de-icing salt residues from carpets and hard surface floors.

Take-Out is a specialized spotter formulated with a strong proteolytic enzyme to break down protein stains such as those caused by blood, grass, egg and vomit.

Take-Charge II is a carpet anti-static treatment that reduces annoying static-electrical shocking that, when applied with a low pressure sprayer, can last up to 3 months.

Karpetreet II is a stain and soil repellent. Because it releases particulate soil from the carpet, it makes daily vacuuming more efficient. It is also effective against a variety of staining and soiling agents.

ExtracShield is a unique carpet extraction detergent formulated to thoroughly clean the carpet and, in conjunction with SpinShield, provide one-step cleaning and protection in the Carpet Shield System. This proprietary formulation includes a grease breaking, low foam surfactant and a specialized optical brightener for nylon fibers. ExtracShield is recommended for use on commercial and residential carpeting, including stain-resistant nylon.

SpinShield is a dual purpose, spin-bonnet detergent that cleans and treats the carpet in one step. In addition to effective cleaning agents, it contains an advanced soil repellent to protect the carpet from petroleum and vegetable oil stains. It is used in conjunction with ExtracShield in the Carpet Shield System.



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