

This is a guidance document with sample specification language intended to be inserted into project specifications on this subject as appropriate to the agency's environmental goals. Certain provisions, where indicated, are required for U.S. federal agency projects. Sample specification language is numbered to clearly distinguish it from advisory or discussion material. Each sample is preceded by identification of the typical location in a specification section where it would appear using the SectionFormat™ of the Construction Specifications Institute; the six digit section number cited is per CSI Masterformat™ 2004 and the five digit section number cited parenthetically is per CSI Masterformat™ 1995.

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SECTION 01 74 13 (SECTION 01740) – PROGRESS CLEANING

PART 1 - GENERAL

1.1 SUMMARY OF WORK

- A. This Section includes:
 - 1. Cleaning requirements during construction operations.
 - 2. Final cleaning prior to turning the project over to the Owner.

1.2 QUALITY ASSURANCE

- A. Coordinate with Section 01 57 19.13 (01354) – Environmental Management.
- B. Coordinate with Section 10 81 50 (10295) – Integrated Pest Management (IPM) and the approved IPM plan.
 - 1. Contractor shall provide progress cleaning that minimizes .

SPECIFIER NOTE:

EO 13423 includes requirements for Federal Agencies to reduce “the quantity of toxic and hazardous chemicals and materials acquired, used, or disposed of by the agency”

GSA requires new construction to provide environmentally preferable products and materials for janitorial services. Refer to December 13, 2002 Memorandum for all Real Property Leasing Activities for additional information.

- C. Utilize non-toxic cleaning materials and methods.

SPECIFIER NOTE:

EPA allows safer products to carry the Design for the Environment (DfE) label. This mark means that the DfE scientific review team has screened each ingredient for potential human health and environmental effects and that, based on currently available information, EPA predictive models, and expert judgment- the product contains only those ingredients that pose the least concern among chemicals in their class. EPA's DfE Program has allowed use of their logo on hundreds of products. These products are formulated from the safest possible ingredients and, in 2007, reduced the use of chemicals of concern by 80 million pounds, up from 59 million pounds in 2006. <http://www.epa.gov/dfe/index.htm>

- 1. Provide cleaners that bear either a Green Seal Certification Label and/or a U.S. EPA Design for the Environment (DfE) label.
- 2. Comply with GS 37 for general purpose cleaning and bathroom cleaning.

SPECIFIER NOTE:

For current designations under the Federal Biobased Products Preferred Procurement Program (FB4P),

refer to www.biobased.oce.usda.gov. As of January 4, 2010, the Federal Register includes designations for approximately 60 product types. The requirements for purchasing biobased items apply to those items directly purchased by the federal agency. Under a construction contract, the contractor's use of hydraulic fluid in its bulldozers and backhoes is incidental to the purpose of its contract, so the contractor is not required to use biobased hydraulic fluids. The Office of the Federal Environmental Executive (OFEE) recommends that agencies encourage the use of these items, however.

Currently designated items that affect construction include:

- Roof Coatings
- Water Tank Coatings
- Adhesive and Mastic Removers
- Composite Panels
- Fertilizers
- Plastic Insulating Foam
- Carpet and Upholstery Cleaners
- Carpets
- Dust Suppressants
- Packaging Films
- Glass Cleaners
- Hydraulic Fluids – Stationary Equipment
- Wood and Concrete Sealers
- Cleaners

The USDA currently has identified about 150 items for which it is collecting test data needed for the additional designations of items that will extend preferred procurement status to include all qualifying biobased products.

3. Biobased content:

- a. General Purpose Household Cleaners: Products designed to clean multiple common household surfaces. This designated item does not include products that are formulated for use as disinfectants. Task-specific cleaning products, such as spot and stain removers, upholstery cleaners, bathroom cleaners, glass cleaners, etc., are not included in this item. Provide minimum 39% biobased content.
- b. Industrial Cleaners: Products, including solvents, used to remove contaminants, such as adhesives, inks, paint, dirt, soil, and grease, from parts, products, tools, machinery, equipment, vessels, floors, walls, and other production-related work areas. Task-specific cleaners used in industrial settings, such as parts wash solutions, are not included in this definition. Provide minimum 41% biobased content.
- c. Multipurpose Cleaners: Products used to clean dirt, grease, and grime from a variety of items in both industrial and domestic settings. This designated item does not include products that are formulated for use as disinfectants. Provide minimum 56% biobased content.
- d. Glass Cleaners: Cleaning products designed specifically for use in cleaning glass surfaces, such as windows, mirrors, car windows, and computer monitors. Provide minimum 49% biobased content.
- e. Adhesive and Mastic Removers: Solvent products formulated for use in removing asbestos, carpet, and tile mastics as well as adhesive materials, including glue, tape, and gum, from various surface types. Provide minimum 58% biobased content.
- f. Carpet and Upholstery Cleaners
 - 1) General Purpose: Cleaning products formulated specifically for use in cleaning carpets and upholstery, through a dry or wet process, found in locations such as houses, cars, and workplaces. Carpet and upholstery cleaners formulated for use in cleaning large areas such as the carpet in an entire room or the upholstery on an entire piece of furniture. Provide minimum

- 54% biobased content.
- 2) Spot Removers: Cleaning products formulated specifically for use in cleaning carpets and upholstery, through a dry or wet process, found in locations such as houses, cars, and workplaces. Carpet and upholstery cleaners formulated for use in removing spots or stains in a small confined area. Provide minimum 7% biobased content.
- 4. Use natural cleaning materials where feasible. Natural cleaning materials include:
 - a. abrasive cleaners: substitute 1/2 lemon dipped in borax.
 - b. ammonia: substitute vinegar, salt and water mixture, or baking soda and water.
 - c. disinfectants: substitute 1/2 cup borax in gallon water.
 - d. drain cleaners: substitute 1/4 cup baking soda and 1/4 cup vinegar in boiling water.
 - e. upholstery cleaners: substitute dry cornstarch.

1.X FINAL CLEANING

- A. At completion of Work, remove all remaining waste materials, rubbish, tools, equipment, machinery and surplus materials, and clean all exposed surfaces; leave Project clean and ready for occupancy.
 - 1. After review of trees to remain by Architect and Owner, remove tree tags.
 - 2. Provide final cleaning in accordance with ASTM E1971 and the approved IPM plan.

PART 2 - PRODUCTS

PART 3 - EXECUTION

END OF SECTION