

INCH/POUND

A-A-2851B

April 10, 2002

**SUPERSEDING**

A-A-2851A

October 19, 1995

## COMMERCIAL ITEM DESCRIPTION

### ACCESSORIES, PAINT ROLLER

The General Services Administration has authorized the use of this commercial item description by all federal agencies.

1. SCOPE. This commercial item description covers slip-off design paint roller, paint roller covers, paint roller trays, paint bucket grid and paint mitt. Items can be procured as a kit or as individual components.

#### 2. CLASSIFICATION.

Type I – Paint Roller

Size 1 – 3 inch

Size 2 – 7 inch

Size 3 – 9 inch

Type II – Paint Roller Cover

Class 1-- Animal Fibers and Animal/synthetic fiber

Style A – Sheepskin

Style B – Woven mohair/viscose blend

Class 2 – Synthetic

Style A – Knitted polyester

Style B – Woven Polyester

Style C – woven Acrylic/modacrylic blend

Type III – Paint Roller Tray

Class 1 – Metal

Class 2 – Plastic

Type IV – Paint Bucket Grill

Type V – Paint Mitt

Class 1 – Lambskin

Class 2 – Polyester

Type VI – Paint Kit

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any other data which may improve this document should be sent to: General Services Administration, Federal Supply Service, Hardware SuperStore (6FEE), 1500 E. Bannister Rd Bldg. #6, Kansas City, Missouri. 64131.

### 3. SALIENT CHARACTERISTICS.

3.1 Type I--Paint Roller. The paint roller shall be of the slip-off design.

3.1.1 Grip. The grip shall be of a molded plastic. The grip shall have a tensile strength of not less than 3,500 pounds per square inch when tested in accordance to ASTM D 638. The grip shall be securely attached to the frame by pressure bonding or other means resulting in a bond that will not fail when a torque of 8 inch-pounds is applied. The outer end of the grip shall have a threaded hole for attaching an extension pole with a 3/4" - 5 teeth per inch Acme thread.

3.1.2 Frame. The frame shall be fabricated of 5/16" diameter steel wire having a tolerance of +/-0.030". The wire shall be corrosion resistant steel or shall have a galvanized or chrome finish and shall show no evidence of peeling or wrinkling. The frame shall have the handle grip firmly attached. Wire bends shall not have gouges or nicks from the bending processes. The frame shall be arranged to permit mounting the roller cage at 90° (+/-5°) to the handle and to center the roller cage to within 1/2" of the centerline of the handle. The cage shall be retained on the frame by a locking nut, fillister head screw, or equal means. Lateral movement of the frame shall be restricted to 1/8" or less by crimping, or other means that does not materially weaken the frame. The frame size shall be specified in the ordering data.

3.1.3 Cage (Roller mounting assembly).

3.1.3.1 Bearings (end caps). The roller cage bearings or end caps shall be of die cast or extruded nonferrous metal, or they shall be of a molded or extruded plastic having a tensile strength of not less than 2,000 pounds per inch when tested in accordance to ASTM D 638.

3.1.3.2 Roller Mounting Assembly. The end caps shall be assembled to form a cage, with 4 or more wires of not less than 0.12" diameter. The wires shall be of corrosion resistant steel or shall have a galvanized or chromed finish and shall show no evidence of peeling or wrinkling. Washers of corrosion resistant steel or having a galvanized finish shall be used at either end of the cage to prevent excessive wear on the faces of the end caps, and to limit end play of cage to 1/8" or less.

3.2. Type II--Paint Roller Cover.

3.2.1. Cover Design and Construction. Covers shall consist of a pile on a backing as specified for the applicable Class and Style. When immersed in Mineral Spirits (Class 1 and 2) or water (Class 2) for one hour, the backing material, cement or core shall not show evidence of solubility to such an extent that the ends of the covers separate more than 1/16". The cover shall not slip off the cage with an end-wise pull of less than 6 pounds. For pile heights 1/8" up to and including 7/8", the pile shall be beveled 45°. For pile heights 1" and greater, the bevel shall not be less than 30° nor more than 45° from the end plane to the core. The sheepskin or fabric cover shall be attached to the core by adhesive bonding that shall include end gluing. Staples used in the manufacturing process, for fastening the sheepskin or fabric to the core, shall be removed. The assembled roller cover shall have a minimum bonding strength of 7.5 pounds per linear inch (with the exception of Class 1, Style A shall be 5.0 pounds per linear inch minimum.). All roller covers shall be of the sewed-stockings type.

3.2.1.1 Type II, Class 1, Style A. Covers shall be of tanned sheepskin with designated pile heights as specified in Table 1. The sheepskin shall be of a uniform color without bare spots, cuts, holds or hard spots.

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Thickness		Tolerance	
Millimeter	Inch	Millimeter	Inch
16	5/8	+/- 1.6	+/- 1/16
25.4	1	+/- 2.4	+/- 3/32
32	1-1/4	+/- 4.8	+/- 3/16

3.2.1.2 Type II, Class 1, Style B. Covers shall be made of a woven pile fabric with the pile being a blend of mohair and viscose fibers. The pile yarn shall be woven with a "W" bind weave with 212 tufts per square inch +/-5%. The backing fabric shall be woven with 55 ends (warp) and 46 picks (filling) per inch +/-5%. The backing fabric shall be coated with a heat-cured synthetic coating. Pile thickness, backing yarn size, pile yarn content and weight of fabric shall be as specified in Table 2.

Pile		Backing Yarn		Pile Yarn Content		Fabric Weight/Square Yard Including backing			
Thickness		Tolerance +/-		Size Warp Filling		Percent		Minimum	
mm	Inch	mm	Inch	Cotton	Polyester	Mohair	Viscose	Grams	Ounces
5	13/64	0.8	1/32	20/2	10/1	40	60	606	19.5
6	1/4	0.8	1/32	20/2	10/1	40	60	684	22

3.2.1.3 Type II, Class 2, Style A. Covers shall be knotted, crimped polyester on a 100 percent polyester backing. The backing shall be knit with not less than 10 wales, and not less than 21 courses nor more than 25 courses per inch. The fabric shall be back coated with a heat-cured synthetic coating. Pile height, polyester size, denier of pile and weight per square yard shall be in accordance with Table 3.

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Pile		Backing Yarn Polyester		Pile Denier		Fabric Weight/Square Yard Including backing			
Thickness		Tolerance +/-		Size Warp Filling		Minimum			
mm	Inch	mm	Inch	Max	Min	Percent	Number	Kg.	Ounces
9.5	3/8	0.8	1/32	10/1	14/1	100	6	0.9	29
						75	6		
16	5/8	1.6	1/16	10/1	14/1	25	15	1.02	33
						75	6		
22	7/8	1.6	1/16	10/1	14/1	25	15	1.15	37
						75	6		
25.4	1	2	3/32	10/1	14/1	25	15	1.31	42
						75	6		
32	1-1/4	2	3/32	10/1	14/1	25	15	1.43	46

3.2.1.4 Type II, Class 2, Style B. Covers shall be made of a woven pile fabric with the pile being 100% polyester fiber. The pile yarn shall be woven with a "W" bind weave with 184 tufts per 1-inch<sup>2</sup>. The backing fabric shall be woven with 55 ends (warp) and 40 picks (filling) per 1-inch<sup>2</sup> +/-5%. The backing fabric shall be coated with a heat-cured synthetic coating. Pile thickness, backing yarn size and weight of fabric shall be specified in Table 4.

Pile		Backing Yarn		Pile Yarn Content		Fabric Weight/Square Yard Including backing		
Thickness		Tolerance +/-		Size Warp Filling		Minimum		
mm	Inch	mm	Inch	Cotton	Polyester	Polyester	Kg.	Ounces
5.8	13/16	0.8	1/32	20/2	10/1	100	0.51	16.5
6.3	1/4	0.8	1/32	20/2	10/1	100	0.54	17.25

3.2.1.5 Type II, Class 2, Style C. Cover shall be made of a woven pile fabric with the pile being a blend of acrylic and modacrylic fibers. The pile yarn shall be woven with a "W" bind weave. The 0.225 inch pile thickness shall have 111 tufts per square inch +/-5% and the backing fabric shall be woven with 52 ends and 48 picks per 1-inch +/-5%. The backing fabric shall be coated with a heat cured synthetic coating. Pile thickness, backing yarn size, pile yarn content, and weight of fabric shall be as specified in Table 5.

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Pile		Backing Yarn		Pile Yarn Content		Fabric Weight/Square Yard Including backing			
Thickness		Tolerance +/-		Size Warp Filling		Percent		Minimum	
mm	Inch	mm	Inch	Cotton	Polyester	Acrylic	Modacrylic	Kg.	Ounces
5.8	29/128	0.8	1/32	20/2	10/1	65	35	0.5	17-1/4
9.5	3/8	0.8	1/32	20/2	10/1	65	35	0.7	24-1/4

3.3 Type III--Paint Roller Tray. Paint trays shall have a minimum width of 11" and shall have a capacity of not less than 1 gallon and a working capacity of not less than 1 quart. The tray shall be tapered in depth and of ribbed, studded or dimpled construction. The trays shall have a leg design suitable for use with ladders or planks. When filled to working capacity and hooked on a ladder or plank, the tray shall not distort or buckle.

3.3.1 Class 1 Metal Paint Roller Tray. Paint trays shall be made from corrosion resistant metal or metal made corrosion resistant by electro-plating. The finished tray shall have all burrs, sharp edges and loose or lifted plating.

3.3.2 Class 2 Plastic Paint Roller Tray. Paint trays shall be made from polypropylene of equitable plastic. The finished tray shall have all spurs and runners removed.

3.4 Type IV--Paint Bucket Grill. The bucket grill shall be of one-piece corrosion resistant metal or be corrosion resistant by electro-plating. The grill shall be designed for hooking on the rim of a 5 gallon pail at an angle suitable for loading and spreading paint on the paint roller and for rolling off excess paint from the roller. The grill shall clear the bottom of the pail sufficiently to allow the roller to be rotated around the entire bottom of the pail. The grill shall be suitable for use with 9" rollers and shall not buckle under normal use.

3.5 Type V--Paint Mitt. The paint mitt shall be designed with rounded corners, a thumb sheath, and have an elastic wristlet made of true 1 by 1 rib-knit seamless cotton tubing. The whole mitt shall be pieced and sewn with nylon thread, with not more than three pieces of material on either side. All seams shall be backstitched. The mitt shall be a minimum of 9-1/2" in length and 5-1/2" +/- 1/4" in width at it widest point (not including the thumb). The thumb shall be 2-1/2" +/- 1/4" in width. Two polyethylene liners shall be furnished and packaged with each mitt.

3.5.1 Class 1 Lambskin Paint Mitt. Paint mitt shall be made from chrome-tanned shearling lambskin constructed so that the wool shall be 3/4" +/- 1/4" long, and shall remain on the outside of the mitt.

3.5.2 Class 2 Polyester Paint Mitt. Paint mitt shall be made from knotted, crimped polyester on a 100% polyester backing. The pile height shall be 3/4" +/- 1/4" long.

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3.6 Type VI--Paint Kits. The paint kit shall contain a roller frame (Type I, Size 2, or 3), a roller cover (Type II, Class 2, Style A), and a paint tray (Type III, Class 1).

#### 4. REGULATORY REQUIREMENTS.

4.1 The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal acquisition Regulation (FAR).

#### 5. PRODUCT CONFORMANCE.

5.1 Product Conformance. The product provided shall meet the salient characteristics of this Commercial Item Description, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial market. The government reserves the right to require proof of such conformance.

5.2 Responsibility for Inspection. Unless otherwise specified, the contractor is responsible for the performance of all inspection requirements and may use any commercial facilities (including the contractor's own facilities) suitable for performance of the inspection requirements, unless disapproved by the Government. The Government reserves the right to perform any of the inspections deemed necessary to assure the item conforms to the specified requirements.

6. PACKAGING. Preservation, packaging and marking shall be as specified in the contract or order.

7. NOTES. This section contains information of a general or explanatory nature that is not mandatory.

##### 7.1 Source of Documents.

American Society of Mechanical Engineers (ASME), Manuel Gutierrez, Managing Director, 3 Park Avenue, New York, NY 10016.

Federal Acquisition Regulation (FAR): Government Printing Office, Superintendent of Documents, Washington DC. 20401-9371.

7.2 National Stock Numbers (NSN's). A list of NSN's assigned that correspond to this CID. The list may not be indicative of all possible NSN's associated with the CID.

#### **Paint Roller Handles**

<b>NSN</b>	<b>Type</b>	<b>Size</b>
8020-01-317-2800	I	1
8020-00-753-4914	I	2
8020-00-753-4915	I	3

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**Paint Roller Covers National Stock Numbers**

NSN	Type	Class	Style	Length	Pile Height
8020-00-682-6495	II	1	A	7	1-1/4
8020-00-598-4080	II	1	A	7	5/8
8020-00-682-6498	II	1	A	9	1
8020-00-682-6497	II	1	A	9	1/2
8020-00-682-6502	II	1	A	9	1/4
8020-00-682-6499	II	1	A	9	1-1/4
8020-00-682-6496	II	1	A	9	5/8
8020-00-682-8843	II	1	A	9	5/8
8020-01-317-2854	II	2	A	3	3/16
8020-01-437-6943	II	2	A	9	5/8
8020-00-682-6494	II	2	B	7	1
8020-00-682-6500	II	2	B	7	1/4
8020-00-682-6501	II	2	B	9	1/8
8020-00-682-6489	II	2	C	7	3/8
8020-00-682-6490	II	2	C	7	5/8
8020-00-682-6491	II	2	C	9	3/8
8020-00-682-6492	II	2	C	9	7/8

**Paint Roller Tray**

NSN	Type	Class	Capacity
8020-00-753-4911	III	1	1-gallon

**Paint Bucket Grid**

NSN	Type	Size
8020-00-721-9360	IV	5 gallon

**Paint Mitt**

NSN	Type	Class
8020-01-371-5180	V	2

**Paint Kits**

NSN	Type	Length	Pile Height
8020-00-597-4759	VI	7	3/8
8020-00-689-5379	VI	9	3/8

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7.3 Ordering data. Purchasers should select the preferred options permitted herein and should include the following information in procurement documents.

- a. Title, number, and date of Commercial Item Description.
- b. Type, Class, Style and Size where applicable.
- c. When ordering a paint kit, specify Type I size.,
- d. Packaging requirements.

7.4 Key words. Paint roller, Paint roller cover, Paint roller tray, Paint bucket grid, Paint mitt

**MILITARY INTERESTS:**

NONE: DoD has no registered interest in revisions and amendments to this Commercial Item Description until further notice.

Preparing Activity:  
GSA-FSS