



Standard Performance Specification for Cargo Bed Cover (CBC) M105A2 Trailer, Type II¹

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1. Scope

1.1 This specification covers the general performance requirements for the Type II Cargo Bed Cover (CBC). The Type II Cargo Bed Cover is a removable general purpose rigid wall enclosure that is mounted on the M105A2 Trailer, Cargo: 1.5 Ton, 2 Wheel. The Type II CBC provides environmental protection and security for mission equipment and items of general transport.

1.2 The values stated in inch-pound units are to be regarded as the standard. The values given in parenthesis are for information only.

1.3 *The following safety hazards caveat pertains only to the test required portion, Section 4, of this specification: This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory requirements prior to use.*

2. Referenced Documents

2.1 ASTM Standards:²

E1925 Specification for Engineering and Design Criteria for Rigid Wall Relocatable Structures

2.2 Army Standards:³

ARMY TM 9-2320-280-10 HMMVW Training Manual

ARMY TM 10-5411-232-13&P Cargo Bed Cover Technical Manual

2.3 Commercial Standards:

ANSI/ASQC Z1.4-2003 Sampling Procedures and Tables for Inspection by Attributes⁴

¹ This specification is under the jurisdiction of ASTM Committee E06 on Performance of Buildings and is the direct responsibility of Subcommittee E06.53 on Materials and Processes for Durable Rigidwall Relocatable Structures.

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² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

³ Available from U.S. Army Natick Soldier Systems Center, ATTN: AMSRD-NSC-CP-CS, Kansas Street, Natick, MA 01760-5018, <http://www.army.mil/natick>.

⁴ Available from American Society for Quality (ASQ), 600 N. Plankinton Ave., Milwaukee, WI 53203, <http://www.asq.org>.

SAE AS8090 Mobility, Towed Aerospace Ground Equipment, General Requirements for⁵

2.4 Federal Standards:⁶

FED-STD-595 Colors Used in Government Procurement

2.5 Military Standards:⁶

MIL-C-46168 Coating, Aliphatic Polyurethane, Chemical Agent Resistant

MIL-C-53039 Coating, Aliphatic Polyurethane, Single Component, Chemical Agent Resistant

MIL-DTL-53072 Chemical Agent Resistant Coating (CARC) System Application Procedures and Quality Control Inspection

MIL-PRF-22750 Coating, Epoxy, High Solids

MIL-STD-129 Military Marking For Shipment and Storage

MIL-STD-209 Interface Standard for Lifting and Tiedown Provisions

MIL-STD-810 Environmental Engineering Considerations and Laboratory Tests

MIL-STD-913 Requirements for the Certification of Sling Loaded Military Equipment for External Transportation by Department Of Defense Helicopters

MIL-STD-1366 Transportability Criteria

2.6 Military Handbook:⁶

MIL-HDBK-1791 Designing for Internal Aerial Delivery in Fixed Winged Aircraft

2.7 ACGIH Documents:⁷

ACGIH Threshold Limit Values

2.8 Drawings:³

81337-104008 Cargo Bed Cover, Type II (M105A2 Trailer)

81337-104269 Cargo Bed Cover Type II (M105A2 Trailer), Three-Color Camouflage

3. General Requirements

3.1 *Alternate Components and Construction*—The interface herein drawings referenced specify the use of specified components and construction of previously produce CBCs. Specific

⁵ Available from SAE International (SAE), 400 Commonwealth Dr., Warrendale, PA 15096-0001, <http://www.sae.org>.

⁶ Available from Standardization Documents Order Desk, DODSSP, Bldg. 4, Section D, 700 Robbins Ave., Philadelphia, PA 19111-5098, <http://dodssp.daps.dla.mil>.

⁷ Available from American Conference of Governmental Industrial Hygienists, Inc. (ACGIH), 1330 Kemper Meadow Dr., Cincinnati, OH 45240, <http://www.acgih.org>.