

NAVISTAR, INC.		
TMS (TRUCK MATERIAL SPECIFICATION)		NUMBER: MPAPS G-9013
TITLE: Phosphate and E-coat Systems Compatibility		CURRENT REV No.: 1608 DATE: August 2016
WRITTEN/EDITED BY: S. Brailey	APPROVED BY: R. Goluch	SUPERSEDES ISSUE OF: February 2009
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<i>This specification may involve hazardous materials, equipment, and procedures. This specification does not purport to address all of the safety issues associated with its use. The user is responsible to consult appropriate safety and health practices and to determine the applicability of regulatory limits prior to use.</i>		

1.0 APPLICATION

This specification covers all materials used on the cab assembly process.

2.0 SCOPE

This specification covers materials that will enter the phosphate and e-coat systems.

2.1 Restricted Chemical Substances

Effective January 1, 2007, all product supplied to the requirements of this specification must comply with the requirements of the MPAPS B-50 specification.

3.0 REFERENCE DOCUMENTS

Unless otherwise specified, the latest issue of all referenced standards shall apply. The following standards, specifications and regulations are referenced in this specification.

Quality System Standard <i>ISO 9001 or TS-16949</i>	MPAPS GT-24
NAVISTAR Supplier Packing and Shipping Std. D-13	MPAPS K-6900
CFR Title 29, Part 1910	MPAPS K-6915
NAVISTAR MPAPS B-50	MPAPS K-6916
MPAPS B-6815	MPAPS K-6917
MPAPS G-4505	MPAPS K-6928

4.0 REQUIREMENTS

All materials entering the phosphate and e-coat systems must pass the following tests.

4.1 Phosphate Compatibility

4.1.1 Materials are to be tested per MPAPS GT-24

4.2 E-Coat Compatibility

4.2.1 Materials are to be tested in accordance with BASF E-Coat Compatibility Guidelines for New Systems.

5.0 QUALITY

Color and texture of parts supplied shall match the samples originally approved. Parts shall be clean and dry and free from objectionable odor.

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6.0 QUALIFICATION

Engineering qualification of sources is required in advance of production shipments. Samples shall be accompanied by test data certifying that all requirements of the specification have been met.

6.1 Quality Control Plan

A Quality Control Plan for products supplied to the requirements of this specification will be established by mutual agreement between NAVISTAR and the supplier. Unless specific exception is noted, the following characteristics, where applicable*, shall be included in the plan as features for management by statistical process control.**



* Other characteristics for inclusion in the control plan may be specified on the engineering drawing and/or purchase order.

** See NAVISTAR Engineering Design Standard A-16

7.0 SOURCE APPROVAL AND QUALITY CONTROL

7.1 Supplier Requirements

All suppliers to NAVISTAR are required to be registered to ISO 9001 Quality System Requirements. NAVISTAR will also accept TS-16949 registration as long as the supplier can also fulfill all AIAG PPAP (Production Part Approval Process) documentation and approval requirements. Suppliers must maintain their certification with an accredited registrar and must furnish copies of registration certificates to their Corporate Buyer upon request.

7.2 Approval

Parts supplied against contracts or purchase orders citing this specification shall be equivalent in all respects to those samples which were approved by the purchaser. No changes in formulation or processing practices are permitted without approval. In the event that changes in material, properties, processing practices, construction, color, or labeling of the product are required, the supplier shall notify NAVISTAR Materials Engineering and Purchasing and Supplier Development of the proposed change(s). Test data indicating conformance to all requirements of this specification, test samples, and new or amended or updated Material Safety Data Sheet(s) (MSDS), in accordance with CFR Title 29, Part 1910 shall be submitted with the request for change.

7.3 Process Control

The supplier shall either, perform and report results of tests on specific lots of parts produced using ISO 9001 or TS-16949 guidelines, or provide statistical evidence of the lot having been produced in a state of statistical control and with a process capable of providing all required properties. The part supplier and the quality control manager of the using NAVISTAR plant may determine testing and reporting requirements on specific products.

8.0 SHIPPING AND HANDLING

Shipping and identification shall be in accordance with NAVISTAR Supplier Packing and Shipping Standard D-13. Parts shall be packaged so as to avoid any damage in shipment detrimental to the appearance of the part.

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