



Touch Up Paint, Air Dry

1 Scope

This specification covers the requirements for an air dry touch up repair paint for minor chips and scratches restricted to secondary surfaces and partially hidden edges. Not to be used on Class A surfaces or on chips or scratches to bare metal. The reprocess material and procedure shall not compromise the appearance or durability of the painted product.

1.1 Material Description. This standard provides the guidelines for touch materials on a painted vehicle. These materials will become part of the total coating system and must be approved over a GMW3005 generically approved topcoat system. Plant-specific testing and validation must be complete prior to release.

1.2 Symbols. Not applicable.

1.3 Applicability. This material is designed to be applied over a baked topcoat system.

2 References

Note: Only the latest approved standards are applicable unless otherwise specified.

2.1 External Standards/Specifications.

None

2.2 GM Standards/Specifications.

GMW3005

GMW3059

GMW17405

3 Requirements

3.1 Qualification. Materials submitted for qualification to this specification must meet all the reprocess material, performance, and processability requirements of GMW3005, Class 5. Only key requirements, exceptions or additional requirements specific to this type of topcoat system are included. Testing requirements excluded for these materials are glass bonding, gas resistance (dip and puddle), oil resistance, multiaxial impact, water jet, thermal shock and environmental damage.

3.2 Final Line Reprocess. Touch up paint will air dry given sufficient time. The Original Equipment Manufacturer (OEM) material is used for repair with a minimum of 10 minutes @ 70 °C repair bake to remove enough solvents to allow polishing.

3.3 Source Shipment Responsibility. It will be the responsibility of the supplier to ensure that the material is not exposed to temperatures during shipment which would cause the material to fail to meet any of the requirements of this specification.

4 Manufacturing Process

All shipments of material or parts under contract or purchase order manufactured to this specification shall be equivalent in every respect to the initial samples approved by Engineering. There shall be no changes in either formulation or manufacturing processes permitted without prior notification and approval by Engineering. Lack of notification by the supplier constitutes grounds for rejection of any shipment. While samples may be taken from incoming shipments and checked for conformance to this specification, the supplier shall accept the responsibility for incoming shipments meeting this specification without dependence upon purchaser's inspection. In addition, the supplier shall be responsible for submitting a Certificate of Analysis with each batch of material arriving at a plant. This document shall be prepared and provide data in accordance with the requirements detailed in GMW17405.

5 Rules and Regulations

5.1 Legal Regulations. All materials must satisfy applicable laws, rules, regulations and recommendations valid in the country of usage.

5.2 Language. In the event of conflict between the English and domestic language, the English language shall take precedence.

5.3 Inspection and Rejection. Samples of components or materials released to a GM material specification shall be tested for conformity with the requirements of this material specification and approved by the responsible Engineering department prior to commencement of delivery of bulk supplies.

A new approval must be received for any changes, e.g., properties, manufacturing process, location of manufacture, etc. If not otherwise agreed, all testing and documentation normally required for initial release must be completed.

It is the responsibility of the supplier to inform the customer in a timely manner, without solicitation, and to include documentation of all modifications of materials and/or processes and to apply for a new release.

5.4 Material Safety Data Sheets/Safety Data Sheets (MSDS/SDS). For new product submissions, or when a change in chemical composition of an existing product has occurred, a complete copy of the Material Safety Data Sheet/Safety Data Sheet must be submitted in compliance with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS) requirements or other country-specific MSDS/SDS requirements.

5.5 All materials supplied to this standard must comply with the requirements of the International Material Data System (IMDS) and GMW3059, **Restricted and Reportable Substances**.

6 Approved Sources

Materials supplied to this specification must be approved by General Motors.

The appropriate GM Materials Engineering Department (Product Engineering or Manufacturing Engineering) must confirm materials as meeting the requirements of this specification. Only materials/sources listed in the GM Materials File (MATSPC) under this standard number have been qualified by Engineering as meeting the requirements of this standard.

7 Notes

7.1 Glossary.

MATSPC: Global repository of GM approved materials for corresponding GM Engineering Standards.

7.2 Acronyms, Abbreviations, and Symbols.

GHS	Globally Harmonized System of Classification and Labeling of Chemicals
IMDS	International Material Data System
MSDS	Material Safety Data Sheet
OEM	Original Equipment Manufacturer
PPAP	Production Part Approval Process
SDS	Safety Data Sheet

8 Coding System

This standard shall be referenced in other documents, drawings, etc., as follows:

Material per 9984071