

Vermont Agency of Transportation
Approved Non-Durable Pavement Marking Batch List

Revised March 15, 2017



Approved Non-Durable Pavement Marking Batch List

Purpose:

This guide is intended to clarify the process for acceptance of non-durable pavement marking materials. The material specifications are outlined in Parts (c)1 and (c)2 of Subsection 708.01 and in Part 4 of Subsections 708.08(b) and 708.08(d) of the 2011 Standard Specifications for Construction as modified by General Special Provisions. VTrans aims to ensure that all non-durable pavement marking material, whether it is waterborne, low VOC acetone-based, or low VOC chlorinated rubber paint, used on VTrans' projects is quality material that meets or exceeds the specifications while providing an easy and direct process for all parties involved. This is accomplished by approving each paint batch once and allowing any approved paint batch to be used on any Agency project thereafter until the batch's expiration.

Overview:

VTrans has published a list titled the Approved Non-Durable Pavement Marking Batch List (ANDPMBL) on the Materials Acceptance webpage. This list is amended as necessary to add new batches as they become approved through testing and certification. Batches are marked as they expire (6 months from manufacture date) and remain on the list for one (1) year past their expiration date for reference. The only batches of non-durable pavement marking material that are permitted for use on Agency projects are the batches on the list that are not expired as of the time of installation. If a batch shows up on site that is not on the ANDPMBL, the batch must be submitted to the Materials Section for approval. The Contractor shall send in a sample of the batch along with the manufacturer's Type A Certification. If this site sample passes and the certification is compliant, the batch will be added to the ANDPMBL and be allowed for use on that project and all others. If the sample fails or the certification is non-compliant, the batch will not be added to the ANDPMBL. A Non-Compliant Report (NCR) will be sent to the RE for justification if the material was incorporated into the work.

Manufacturer's Responsibility:

It is the responsibility of the Manufacturer to send one sample set (two 1-pint containers) per batch of non-durable pavement marking material to be used on VTrans' projects to the Construction and Materials Bureau Central Laboratory (address below) for approval. This sample set must be sent in at least five (5) days before the specific batch is used on any VTrans project. This sample set must be clearly labeled with the manufacturer, plant, and batch number and must be accompanied by the manufacturer's test results and Type A Certification. Sample sets should be sent to the following address by an appropriate means so as to not be damaged:

Attn: Approved Non-Durable Pavement Marking Batch List
2178 Airport Road, Unit B
Berlin, VT 05641-8628

Materials Lab's Responsibility:

The VAOT Chemist will test batch sample sets to ensure compliance with the current Standard Specifications for Construction. Sample sets will be tested within five (5) days of receipt. Test results for these samples will be recorded in SiteManager by the Chemist as one SiteManager sample per batch, with the manufacture date of the batch recorded as the Sample Date, the batch number recorded as the Lot / Cntrl Number, and the Manufacturer recorded as the Mnfctr. These samples will not be assigned to contracts within SiteManager. The report from these samples will be saved as a PDF in the corresponding manufacturer's folder at the following location, named as indicated below, where MMDDYY is the date of manufacture of the batch:

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Z:\Highways\CMB\MatTestingCert\Materials\Paint\ANDPMBL\[Manufacturer's Folder][*Batch Number Test YYMMDD*]

The Materials Acceptance Program's Certifications Unit will ensure that the certification submitted with the paint batch sample set is compliant but will not document this certification in SiteManager. Instead, this certification will be saved as a PDF in the same Z Drive location as the test results in the corresponding manufacturer's folder with the following naming convention:

Batch Number Certification YYMMDD

If the approval sample passes and the certification is compliant, the batch will be added to the Approved Non-Durable Pavement Marking Batch List (ANDPMBL). If the paint batch sample passes but the certification is non-compliant, the Lab will send a notice to the manufacturer informing them that a new certification is necessary (see Letters, "If the batch certification is non-compliant"). The batch will be added to the ANDPMBL upon the manufacturer successfully submitting a compliant certification. If the paint batch sample fails, the Lab will send a notification to the manufacturer to inform them that the sample has not met the applicable specifications and therefore will not be permitted for use on VTrans projects (see Letters, "If the batch sample is non-compliant").

The Agency reserves the right to perform verification testing at any time.

The Certification Unit is also responsible for entering TA558 Approved Non-Durable Pavement Marking Batch List forms into SiteManager as they are submitted by REs. These TA558s will be attributed to contracts in SiteManager.

Contractor's Responsibility:

The Contractor shall provide to the State only approved batches that are listed on the ANDPMBL. If the Contractor supplies the State with a batch that has not been approved prior to arriving on site, the Contractor will need to take a sample of that paint from the truck and send it into the lab for approval along with the manufacturer's Type A Certification.

Resident Engineer's Responsibility:

The Resident Engineer (RE) is to ensure that only batches listed on the ANDPMBL are incorporated into their project. Once the RE is aware of the batch used on their project, they will submit a TA558 Approved Non-Durable Pavement Marking Batch List form to the Certification Unit. This form shall accurately represent the batch used on the project, the quantity of that batch used, and the application in which the material was used.

If the material that shows up on site is not on the ANDPMBL, the RE will instruct the Contractor to take a sample and send it to the lab for approval testing along with the manufacturer's Type A Certification. This sample and certification will be evaluated in the manner as all other ANDPMBL submissions. If the batch and certification are acceptable, and the batch is approved, it will be added to the ANDPMBL and will be acceptable for use on that project and all others. If the batch does not pass approval testing or the certification is found to be non-compliant, the paint batch will not be added to the ANDPMBL. A Non-Compliant Report will be sent to the RE to justify the failed material if it was incorporated into the project.

If the material that shows up on site is on the ANDPMBL but is of questionable quality, the RE may instruct the Contractor to take a sample of the paint. It is the responsibility of the RE to ensure that this sample makes it to

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the Materials Lab for testing. These samples shall be accompanied by a sample card with “Investigative” as the sample type.

Letters:

If the batch certification is non-compliant:

To whom it may concern,

The Vermont Agency of Transportation (VTrans) has received your submission for the Approved Non-Durable Pavement Marking Batch List (ANDPMBL). The Type A Certification you have furnished for batch number _____ has been reviewed and determined to be non-compliant for the following reasons:

Please resubmit a certification for this batch in accordance with Subsection 700.02 of the Standard Specifications for Construction. The addition of this batch to the ANDPMBL is contingent on the acceptance of this certification.

We thank you for your time in resolving this issue.

Sincerely,

If the batch sample is non-compliant:

To whom it may concern,

The Vermont Agency of Transportation (VTrans) has received your submission for the Approved Non-Durable Pavement Marking Batch List (ANDPMBL). The batch sample you have furnished for batch number _____ has been tested and determined to be non-compliant for the following reasons:

Please be advised that this batch will not be accepted for the ANDPMBL and will not be permitted for use on any Agency project. You are encouraged to submit additional batches for approval and inclusion on the ANDPMBL.

We thank you for your submission.

Sincerely,
