



**Office of Materials Technology
Structural Materials and Pavement Marking Division
Qualified Manufacturers for Liquid, Epoxy and/or Polyester Powder Coatings**

The Office of Materials Technology (OMT) maintains a listing of qualified liquid coating and fusion bonded powder manufacturers. The listing also contains those facilities approved to apply the various coatings to items intended for use on MDOT-SHA construction projects as well as approved galvanizing facilities. Facilities on the list have demonstrated the ability to manufacture and/or apply coatings in conformance with MDOT-SHA specification requirements. For further information on this program, please contact Bryan Hines at (443) 573-5291 or bhines@mdot.maryland.gov of the Structural Materials and Pavement Marking Division.

Qualification does not imply that material from these facilities can be used on SHA projects without the normal Quality Control/ Quality Assurance testing and acceptance procedures.

An approved list of facilities is intended to provide prime contractors sources for liquid and powder coatings and approved galvanizer and facilities for application which have been previously evaluated and approved. Sources are listed in alphabetical order and the order should NOT be construed as a rating of those facilities.

Procedure

Manufacturers producing liquid and/or powder coatings under the Maryland Standard Specifications for Construction and Materials, Applicators and Galvanizers shall be approved by the Office of Materials Technology (OMT) before the start of coatings application. The following describes the procedure by which manufacturers not presently on the approved list are considered for placement on the list.

- 1) The prime contractor with a current and executed SHA contract may list on a Source of Supply Letter a liquid and/or powder coating manufacturer not presently on the approved list. Applicators and galvanizers not on the approved list may be submitted for use by the prime contractor.
- 2) OMT will notify in writing the named liquid and/or powder coating manufacturer, applicator or galvanizer that they have been named to provide specific material(s) or processes for a Maryland SHA Project. This notice will also contain a request for specific information including points of contact(s) and/or material samples.
- 3) Once confirmed that the liquid and/or powder coating manufacturer, applicator or galvanizer intends to supply the specific materials or be used, the manufacturer/applicator/galvanizer will be required to submit a detailed Quality Control Plan (QCP) to the OMT Metals Team for review and approval. The review of this document may require up to 30 days after being received by OMT.

- 4) The following items are typical of a QC plan and each will be judged individually based on the process:
 - a) Quality System policy defined and outlined
 - b) Names of those responsible for quality control and management responsibility including description of duties of the position, required skills for the position, education and experience required and supervision exercised
 - c) Flow chart of the Quality control Process.
 - d) Organization chart showing Quality control department and its relationship to the manufacturing process.
 - e) Frequency of quality control testing, records kept and how long.
 - f) Document and data control.
 - g) List of standard quality control tests used to include in house or special methods (ASTM, AASHTO).
 - h) Equipment used in production of products and/or quality control/quality assurance testing, how maintained, calibration by whom, manuals available, records kept and for how long.
 - i) Quality controls for the purchasing of raw materials record keeping and for how long.
 - j) Corrective and preventive action.
 - k) Control of non-conforming product.
 - l) Handling, storage, packaging and delivery.
 - m) Control of quality records.
 - n) Product identification and traceability and how documented
 - o) Internal quality audit, frequency, performed by whom, record keeping and for how long
 - p) Training of employees, how performed, availability, required training, those responsible for training, competency evaluation, record keeping and for how long.
 - q) Safety plan including worker protection and floor plan/maps of the facility for evacuation in emergencies.

- 5) Following the review and acceptance of the QCP, a facility inspection/audit may be conducted by the Coatings Team or their authorized representative to verify the manufacturer's capabilities and the qualifications of the Quality Control Personnel. The facility will have up to two (2) weeks to correct any discrepancies noted during the inspection/audit. Once the inspection/audit has been completed, and all discrepancies corrected, the manufacturer, along with the prime contractor will be notified of the facility's approval. The facility will then be placed on the appropriate Approved List.

- 6) Approvals will remain in effect indefinitely provided:
 - a) The manufacturer is involved in providing materials under the Maryland Standard Specifications for Construction and Materials on a regular basis.

OR

 - b) The manufacturer continues to possess the capability to produce the materials in accordance with the specific standards and/or specifications. A lapse in providing materials greater than eighteen (18) months may require additional information be submitted and/or require re-inspection of the facility.

- 7) Periodic audits may be performed on a random basis as a QC review at the discretion of the Administration.

Cost

The QCP review and facility inspection will be at no cost to the manufacturer and/or the prime contractor, provided the prime contractor has named the manufacturer/applicator/galvanizer on the Source of Supply Letter, as outlined above. However, if the prime contractor fails to use the facility after completion of the approval process, the administration reserves the right to assess back charges for expenses incurred by SHA during the review and approval process as stated in the alternative pay option below.

ALTERNATIVE PAY OPTION: The manufacturing facility may request approval as outlined above without being named by a prime contractor provided the following steps are followed:

- 1) The fabrication facility must make a written request to:

**Ms. Sejal Barot, Director
Office of Materials and Technology
7450 Traffic Drive, Building 4
Hanover MD 21076**

This request shall acknowledge that the fabricator is willing to pay all reasonable expenses accrued by SHA during the review and approval process.

- 2) A detailed estimate, along with specific instructions on setting up an account will be forwarded to the fabricator.
- 3) Once an account has been established with SHA, the Metals Team will start the approval process as outlined in the above section, excluding step one.