******THIS IS A NEW IM. – PLEASE READ CAREFULLY.******

ALIPHATIC POLYURETHANE PAINTS

GENERAL

Acceptance of paints for painting structural steel with aliphatic polyurethane paints will be on the basis of certification from an approved paint producer, subject to satisfactory results obtained from testing monitor samples.

Producer and product approval shall be obtained before paints can be furnished to projects.

PRODUCER & PRODUCT APPROVAL

Producer and product approval will be based on information supplied by the producer and the results of tests made by the Central Materials Laboratory.

The paint producer shall submit to the Central Materials Office, product for paint showing compliance with all specification requirements. The information provided shall also include the producer name, brand name of each paint, identification number of the paint, along with four test panels. These test panels shall have 4 mils (100 µm) of aliphatic polyurethane topcoat applied in two coats over 3 mils (75 µm) inorganic zinc-silicate primer, which has less than 2.8 lb./gal. (340 g/l) VOC.

In addition, the producer shall submit to the Central Materials Laboratory a sample, one pint (500 ml).

When the Central Materials Office has accepted the producer and products, the approval will remain in effect indefinitely, unless withdrawn because of deficient test results on monitor samples, unsatisfactory field results traceable to the paint, or failure to comply with paint acceptance procedures. If a change is made in the manufacturing process or formulation of paint originally approved, the change must be reported to the Central Materials Office for decision on continuance of the approval. This decision shall be made before such paints are furnished for projects.

PAINT ACCEPTANCE PROCEDURES

The paint producer shall furnish three copies of a certification document for each shipment intended for use on Iowa projects. The document shall include the following information concerning the shipment:

1. Date of shipment

2. Name of painting contractor or company to which shipment was made

3. Brand names of product identification numbers

4. Batch or lot numbers

5. Quantity of paints

In addition, the document shall bear the following certification statement and the signature of a responsible company representative:

CERTIFICATION STATEMENT

> We hereby certify that the products herein described have been previously approved in accordance with the procedures established by the Iowa Department of Transportation and that they comply with the applicable specifications.
>
> Signed _____

A copy of the document prescribed above shall be mailed, at the time of shipment, to the Central Materials Office in Ames, Iowa. Each District and/or Project Engineer who has work scheduled by the contractor or company involved can obtain a copy upon request.

Paint shipments from an approved producer, which are documented as outlined above and appear otherwise satisfactory, may be incorporated in the work.

MONITOR SAMPLING & TESTING

Producers who actively supply paints for projects shall be required to submit samples of paint to the Central Materials Laboratory on request. These samples shall be randomly selected at a minimum rate of one (1) per fifteen (15) batches shipped.

In addition, monitor samples may be requested from the project destination or fabricating shop. District personnel, the painting contractor, or the fabricator may take such samples. Paint, which the Project Engineer believes to be questionable, may be sampled at any time.

All monitor samples shall consist of unopened containers. Maximum sample size shall be 5 gallons (20 liters). Samples taken within the state may be returned after testing.

Test results not in reasonably close conformity with the specifications will be considered sufficient cause to discontinue use of the batch represented and to require sampling of additional batches for evaluating the continuance of producer and product approval.