

**STATE OF OHIO
DEPARTMENT OF TRANSPORTATION**

**SUPPLEMENT 1083
CERTIFICATION OF GRAFFITI PROTECTION COATINGS FOR
CONCRETE
April 15, 2005**

1083.01 General

1083.02 Material Certification Request

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1083.01 General. This supplement defines the Department's procedures for the evaluation and certification of sacrificial and permanent graffiti protection coatings for sealed and unsealed concrete surfaces. The implied subject of this supplement is the manufacturer of a graffiti protection coating product seeking Departmental acceptance.

1083.02 Material Certification Request. Provide a written material certification request to the Office of Materials Management (OMM), Chemical Section, and include the following:

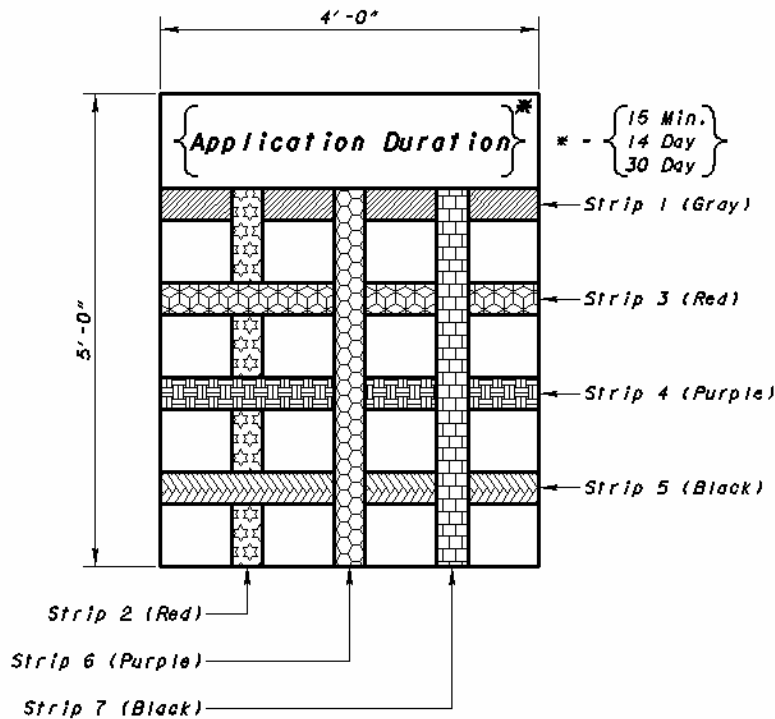
- A. Manufacturer's target ranges for weight per gallon, viscosity, and solids content
- B. Sample(s), at least one quart, in size, for each product
- C. Current MSDS sheet(s) for each product
- D. Current Product Data Sheet(s) for each product
- E. Provide manufacturer's application instructions
- F. Provide a list of all equipment and materials needed for removal of graffiti
- G. A name, address, phone number, fax number, and e-mail address for a technical representative capable of discussing the Department's test results concerning the product
- H. The shelf life and storing requirements for the anti-graffiti material including the location on the container where the shelf life is identified.

1083.03 Field Performance Testing. The Department will include a graffiti protection coating on the Qualified Product List (QPL) upon successful completion of the following field performance testing:

- A. Contact the Department, Office of Materials Management, Chemical Section, to schedule a

product demonstration

- B. Provide a location suitable for the Department to demonstrate the product(s). The Department may assist in finding the location.
- C. The Department will provide the following paint and markers to be removed from the coated surfaces:
- | Type | Color |
|---------------------|--------|
| Krylon (epoxy) | Gray |
| Rustoleum (gloss) | Red |
| Rustoleum (flat) | Black |
| Krylon (for metals) | Purple |
| Permanent marker | Black |
- D. Apply the graffiti protection coating according to the manufacturer's application instructions and drying time.
- E. Apply the Department provided paint and markers on three sections of concrete wall. Each section shall be approximately 5 feet high by 4 feet wide.
- F. Apply paint in stripe patterns with overlaps resulting in some double layer sections of paint. The stripes shall be approximately 4 inches wide and 4 feet long. [See the below wall pattern]



- G. Apply permanent marker lines to the coated concrete next to, not on, the paint stripes.

- H. Clean one concrete section approximately 15-20 minutes after application of the graffiti markings. Clean one concrete section approximately two (2) weeks after the application of the graffiti markings. Clean one concrete section approximately thirty (30) days after application of the graffiti markings. Department personnel will be present at all applications and removals.
- I. The cleaned concrete sections must be completely clean of graffiti, with no visible staining or color associated with the applied graffiti paint or markers.
- J. The Department will record the results of each cleaning in the chart shown below. "Clean" will indicate complete removal. "Not Clean" will indicate incomplete removal.

Graffiti Protection Coating Performance

Paint	Removal after 15-20 minutes	Removal after 14 days	Removal after 30 days
1.Gray- Krylon epoxy			
2.Red- Rustoleum gloss			
3.Black-Rustoleum flat			
4.Purple- Krylon for metals			
5.Black-permanent marker			

- K. The Department will accept graffiti protection coatings that meet the following criteria:
 - 1. The graffiti protection coating did not damage the original concrete surfaces during application or removal.
 - 2. The graffiti protection coating did not damage the concrete sealer during application or removal.
 - 3. The graffiti protection coating completely removed graffiti paint and markers.
- L. Upon completion of the performance testing, return all panels to their original bare or sealed condition.

1083.04 Yearly Re-certification. By January 31 of each year, certify that the material has not been altered or changed from the original formulation. If the material is altered, notify the Department within 30 days of the reformulation. The Department will remove the modified product's name from the QPL until the altered product is re-certified according to this supplement.. Failure to notify the Department of a product reformulation will result in loss of product certification for a period of one year.

1083.05 Engineer Acceptance. The Department will accept only graffiti protection coating materials listed on the QPL for use on ODOT projects. The Engineer will accept materials that can be identified to the company name and brand name listed on the QPL; that are sealed; and

that have not exceeded the shelf life. The Department will not accept pre-opened containers.

1083.06 Random Quality Assurance Testing and Loss of Certification. The OMM may obtain, at random, one quart samples for quality assurance testing. OMM will report to the manufacturer test results of samples not within the manufacturer's target ranges. The manufacturer will be responsible to resolve the issue. If the issue is not resolved within 30 days, the Department will remove the product from the QPL.