



****GENERAL REWRITE. - PLEASE READ CAREFULLY.****

INSPECTION AND ACCEPTANCE ANTI-GRAFFITI COATINGS

GENERAL

Anti-graffiti coatings are used to prevent the adhesion of unwanted coatings or to facilitate the removal of applied graffiti. Two types of anti-graffiti coatings are: sacrificial and non-sacrificial (permanent). Only non-sacrificial anti-graffiti coatings are covered in this IM. Anti-graffiti coatings shall meet the requirements of applicable Iowa Department of Transportation specifications. Surface preparation and application of an anti-graffiti coating shall follow manufacturer's recommendations.

When used in Iowa, brand name and producer name of approved coatings must be identifiable by marking on the container.

Approved brands of non-sacrificial anti-graffiti coatings are listed in [Appendix A](#).

ACCEPTANCE

The acceptance of an anti-graffiti coating for use in Iowa Department of Transportation projects will be on the basis of manufacturer and brand name approval.

To obtain the approval of an anti-graffiti coating, the manufacturer shall submit the following items to the Office of Materials in Ames, Iowa:

- Product identification including brand name and product number.
- Complete manufacturer's recommendation for usage.
- A current Materials Safety Data Sheet (MSDS).
- Independent test results for the tests in Table 1.
- A one-liter (one-quart) representative sample, if requested.

The Office of Materials will evaluate an anti-graffiti coating based on the submitted independent test results for approval and if necessary, will test the material by the methods described in Table 1.

The approval of an anti-graffiti coating may be withdrawn because of deficient test results, product changes made after original approval, or unsatisfactory field performance.

TABLE 1. TESTS AND REQUIREMENTS FOR APPROVAL

Graffiti Resistance	ASTM D 6578	Cleanability scale: 6 min.
Abrasion	ASTM D 4060 CS-17 wheel, at least 500 grams weight, 1000 cycles	40 mg of less weight loss due to film erosion
	or ASTM D 968 at least 10 liters of sand to abrade 1 mil of dry coating	No visual damage.
Solvent (MEK) Resistance	ASTM D 5402 or D4752 50 double-rubs	Coating is not removed.
Mold Resistance (for inorganic materials only)	ASTM G 21 28 days following inoculation	Rating of zero growth