

ANSI Z356.5 - 1998

American National Standard

*for Art and Craft Materials -
Paints and Inks*

ANSI Z356.5~1998

ANSI

American National Standards Institute
11 West 42nd Street
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American National Standard

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Foreword

(This forward is not part of American National Standard Z356.5 - 1998.)

The American National Standard for Art and Craft Materials - Paints and Inks, ANSI 2356.5 - 1998, was initiated by the Art and Creative Materials Institute, Inc. as a revision to ANSI 2356.5 - 1985. ANSI 2356.5 - 1985 was initiated to replace portions of NBS Voluntary Product Standard PS 65-75 and ANSI 2297.1 - 1975. Since the National Bureau of Standards has withdrawn its Voluntary Product Standards, ANSI Canvass Method procedures were followed.

This standard was revised to provide for the inclusion of liquid watercolor paints and dry pan watercolor paints.

The initial draft, prepared by The Art and Craft Materials Institute, Inc. and now called The Art and Creative Materials Institute, Inc., was reviewed and revised by the Institute's Technical and Certification Committees. The Technical Committee is comprised of the technical directors of member companies and the Certification Committee of representatives of subscribers to the Institute's Certified Products Bureau and four representatives each of the National Art Education Association, the Association of School Business Officials, and Artists Equity Association. The text was also reviewed by the Institute's consultant in toxicology. Suggestions for improving the draft were incorporated in the standard and submitted for review under the ANSI Canvass Method.

Suggestions for improvement of this standard will be welcome. They should be sent to The Art and Creative Materials Institute, 100 Boylston Street, Suite 1050, Boston, MA 02116.

The following organizations and others recognized as having a potential interest in the development of a standard for paints and inks were contacted prior to the approval of this standard. Inclusion on this list does not necessarily imply that the organization concurred with the submittal of the proposed standard to ANSI.

Arts, Crafts, & Theatre Safety
Center for Safety in the Arts
Colored Pencil Society of America
Environmental Medicine Incorporated
National Art Education Association
National Art Materials Trade Association
National Gallery of Art
National Paint and Coatings Association
National Safety Council
U. S. Consumer Product Safety Commission
U. S. Public Interest Research Group

American National Standard for Art and Craft Materials -

Paints and Inks

■ Purpose and Scope

1.1 Purpose. The purpose of this standard is to establish nationally recognized quality requirements and package sizes for paints and inks used for art experiences in schools, museums, camps, homes, and other places and to provide producers, distributors, and users with a basis for common understanding of the characteristics of these products.

1.2 Scope. This standard provides minimum requirements for materials, toxicity, coarse particle content, characteristics, working qualities, preservative effectiveness, size, and packaging of paints and inks for art education.

NOTE: As an aid to correlating U.S. customary units to metric units, conversion factors for the units used in this standard follow:

1 inch	=	25.4	millimeters
1 ounce (advp)	=	28.35	grams
1 pound (advp)	=	0.45	kilogram
1 fluid ounce	=	29.57	milliliters
1 teaspoon	=	5	milliliters
1 quart (liquid)	=	0.95	liter

$$t_c = (t_f - 32) / 1.8$$

Where:

t_c = temperature in degrees Celsius

t_f = temperature in degrees Fahrenheit

This standard covers the following thirteen types of paints and inks:

- (1) Finger paint
- (2) Powder finger paint
- (3) Liquid tempera
- (4) Powder tempera
- (5) Cake tempera
- (6) Acrylic paint, permanent
- (7) Acrylic paint, washable
- (8) Watercolor crayons
- (9) Semi-moist watercolors
- (10) Dry pan watercolors
- (11) Liquid watercolors
- (12) Watercolor markers
- (13) Water-dispersible block printing inks

2 Referenced Publications

This standard is intended to be used in conjunction with Test Methods for Coarse Particles in Pigments, Pastes, and Paints, ASTM D 185-84.¹

3 Requirements

3.1 Material. All products shall be water dispersible and manufactured from quality colorants and other essential materials

¹Later issues of this publication may be used providing requirements are applicable and consistent with the issue designated. Copies of ASTM publications are available from ASTM, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.