



American National Standard/
American Dental Association
Specification No. 24

Dental Baseplate Wax

This is a preview of "ANSI/ADA Specificati...". [Click here to purchase the full version from the ANSI store.](#)

ANSI/ADA Specification No. 24 --- 1991
Reaffirmed by ANSI: August 1, 2003

AMERICAN NATIONAL STANDARD AMERICAN DENTAL ASSOCIATION SPECIFICATION NO. 24 FOR DENTAL BASEPLATE WAX

The Council on Scientific Affairs of the American Dental Association has approved revised American Dental Association Specification No. 24 for Dental Baseplate Wax. This and other specifications for dental materials, instruments and equipment are being formulated by working groups of the ADA Standards Committee on Dental Products (formerly Accredited Standards Committee MD156 for Dental Materials, Instruments and Equipment). The Committee has representation from all interests in the United States in the standardization of materials, instruments and equipment in dentistry. The Council has adopted the specifications, showing professional recognition of their usefulness in dentistry, and has forwarded them to the American National Standards Institute with a recommendation that the specifications be approved as American National Standards. The American National Standards Institute granted approval of ADA Specification No. 24 as an American National Standard on November 14, 1991.

The Council thanks the working group members and the organizations with which they were affiliated at the time the specification was developed:

John Powers (Chairman), University of Texas Health Science Center, Houston, TX; Atul Sarma (Secretary), Whip Mix Corp., Louisville, KY; J. David Eick, University of Missouri, Kansas City, MO; Mark Latta, Dentsply Int'l, York, PA; Trenholm Meyer, Hygenic Corp., Akron, OH; John Semmelman, York, PA; Jan Stannard, Tufts University, Boston, MA; Ben Weaver, Kerr Manufacturing, Romulus, MI; and Cheryl Zimmerman, Miles Inc. Dental Products, South Bend, IN.

ANSI/ADA Specification No. 24 – 1991
Reaffirmed by ANSI 1997

**REVISED AMERICAN NATIONAL STANDARD/AMERICAN DENTAL ASSOCIATION
SPECIFICATION NO. 24 FOR DENTAL BASEPLATE WAX**

FOREWORD

(This Foreword does not form a part of Revised ANSI/ADA Specification No. 24 for Dental Baseplate Wax)

This is the first complete revision of ANSI/ADA Specification No. 24 for Dental Baseplate Wax since it was approved in December 1970. This revision incorporates the addendum to ANSI/ADA Specification No. 24 which was approved in March 1985.

This revision was initiated so that the specification would reflect values measured for current commercial products that are successful clinically. This revision changes the maximum flow requirements at 37 °C for Type I wax from 80% to 90% and for Type II wax from 2.5% to 10%.

ANSI/ADA Specification No. 24 - 1991

**REVISED AMERICAN NATIONAL STANDARD/AMERICAN DENTAL ASSOCIATION
SPECIFICATION NO. 24 FOR DENTAL BASEPLATE WAX**

1. SCOPE AND CLASSIFICATION

1.1 Scope. This specification is for wax used in the construction of artificial dentures. The wax consists essentially of natural and synthetic waxes, resins, and hydrocarbon waxes of the paraffin series.

1.2 Types. Base plate wax covered by this specification shall be of the following types:

Type I	Soft wax used for building contours and veneers
Type II	Medium wax used for pattern production in the mouth in temperate weather
Type III	Hard wax used for pattern production in the mouth in hot weather

2. APPLICABLE SPECIFICATIONS

2.1 Specifications. There are no other specifications applicable to this specification. (Copies of American Dental Association specifications may be obtained on application to the American Dental Association)

3. REQUIREMENTS

3.1 General Requirements. The wax shall be uniform and free from foreign materials and shall be supplied in the form of smooth sheets uniform in texture. Softened wax sheets shall cohere readily. Unless otherwise specified the sheets of wax shall be approximately 7.5 ± 0.8 cm wide, 15.0 ± 1.5 cm long, and 0.13 ± 0.01 cm thick. Type I wax sheets may be 0.09 ± 0.01 cm thick.

3.2 Special Requirements.

3.2.1 Color. The color of the wax shall be as specified by the purchaser.

3.2.2 Odor and Flavor. The material shall not have an unpleasant odor or flavor.

3.2.3 Irritation. The manufacturer shall furnish a statement at the time of certification reporting that the material does not normally irritate oral tissues and does not contain poisonous ingredients in sufficient concentration to be harmful to human beings when used as directed or in the event of the accidental ingestion of 10 g. The dyes used for coloring shall be FDA approved (D and C or F, D, and C) or shall be present in concentrations which do not exceed 3.00 g of dye per kilogram of