



American National Standard/
American Dental Association
Standard No. 111

Adhesion Test Methods to Tooth Structure

Identical adoption of ISO/TS 11405:2015, *Dentistry—Testing of adhesion to tooth structure*

ADA American
Dental
Association®

Standards Committee on Dental Products

2019

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**AMERICAN NATIONAL STANDARD/AMERICAN DENTAL ASSOCIATION
STANDARD NO. 111 FOR ADHESION TEST METHODS TO TOOTH STRUCTURE**

The ADA Standards Committee on Dental Products (SCDP) has approved ANSI/ADA Standard No. 111, Adhesion Test Methods to Tooth Structure. This and other standards for dental materials, instruments and equipment are being formulated by working groups of the ADA SCDP. The Committee has representation from all interests in the United States in the standardization of materials, instruments and equipment in dentistry. The Committee has adopted the standards, showing professional recognition of their usefulness in dentistry, and has forwarded them to the American National Standards Institute with a recommendation that the standards be approved as American National Standards. The American National Standards Institute granted approval of ADA Standard No. 111 as an American National Standard on September 9, 2019.

The ADA Standards Committee on Dental Products thanks the members of Working Group 1.3 on Composite Resins and the organizations with which they were affiliated at the time the standard was developed:

Spiro Megremis (chairman), American Dental Association, Chicago, IL;
Michael Adjodha, U.S. Food and Drug Administration, Rockville, MD;
Willie Beasley, Federal Bureau of Prisons, Vienna, VA;
Martin Chiang, National Institute of Standards and Technology, Gaithersburg, MD;
Matt Cowen, The Dental Advisor, Ann Arbor, MI;
Franklin Garcia-Godoy, University of Tennessee, Memphis;
Bernard Koltisko, Dentsply Caulk, Milford, DE;
Matthew Nejad, Meridian Dental, West Hollywood, CA;
Sheldon Newman, University of Colorado, Denver, CO;
Henry Rawls, University of Texas Health Science Center, San Antonio, TX; and
Howard Roberts, University of Kentucky, Louisville, KY.

AMERICAN NATIONAL STANDARD/AMERICAN DENTAL ASSOCIATION STANDARD NO. 111 FOR ADHESION TEST METHODS TO TOOTH STRUCTURE

FOREWORD

(This Foreword does not form a part of ANSI/ADA Standard No. 111, Adhesion Test Methods to Tooth Structure).

This standard is an identical adoption of ISO/TS 11405:2015, Dentistry – Testing of adhesion to tooth structure. ADA SCDP Working Group No. 1.3 on Composite Resins examined the international standard and found it acceptable for identical adoption as ANSI/ADA Standard No. 111.

This standard refers to the shear bond strength test published in ISO 29022:2013, Dentistry – Adhesion – Notched-edge shear bond strength test. This test is intended as a general, simple and easy-to-use method for determining that a dental adhesive material adheres to tooth substance. Though it has been established that the test does not measure shear bond strength, it has been shown to be useful in evaluations of adhesion of dental adhesive materials. However, its applicability is limited and researchers should evaluate the usefulness of this method for their particular application and the intended purpose of the material in the mouth.