

Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	Classification
4.1	Type
4.2	Class
5	Requirements
5.1	Biocompatibility
5.2	Physical and chemical properties
5.2.1	General
5.2.2	Film thickness, luting materials
5.2.3	Working time, Class 1 and Class 3 restorative materials, excluding luting materials
5.2.4	Working time, Class 1 and Class 3 luting materials
5.2.5	Setting time, Class 1 materials
5.2.6	Setting time, Class 3 materials
5.2.7	Sensitivity to light, Class 2 materials
5.2.8	Depth of cure, Class 2 materials excluding luting materials
5.2.9	Flexural strength
5.2.10	Water sorption and solubility
5.3	Shade of restorative materials
5.4	Colour stability after irradiation and water sorption
5.5	Radio-opacity
6	Sampling
7	Test methods
7.1	General reagent — Water
7.2	Test conditions
7.3	Inspection
7.4	Preparation of test specimens
7.5	Measurement of film thickness of luting materials
7.5.1	Apparatus
7.5.2	Test procedure
7.5.2.1	Preliminary steps
7.5.2.2	Class 1 materials
7.5.2.3	Class 2 and Class 3 materials
7.5.3	Treatment of results
7.6	Working time, Class 1 and Class 3 restorative materials, excluding luting materials
7.6.1	Apparatus
7.6.2	Procedure
7.6.3	Treatment of results
7.7	Working time, Class 1 and Class 3 luting materials
7.7.1	Apparatus
7.7.2	Procedure
7.7.3	Treatment of results
7.8	Setting time, Class 1 and Class 3 materials

- 7.8.1 Apparatus for the determination of setting time of Class 1 and Class 3 restorative materials
- 7.8.2 Apparatus for the determination of setting time of Class 1 and Class 3 luting materials
- 7.8.3 Procedure
- 7.8.4 Treatment of results
- 7.9 Sensitivity to light, Class 2 materials
- 7.9.1 Apparatus
- 7.9.2 Procedure
- 7.9.3 Treatment of results
- 7.10 Depth of cure, Class 2 materials excluding luting materials
- 7.10.1 Apparatus
- 7.10.2 Procedure
- 7.10.3 Treatment of results
- 7.11 Flexural strength
- 7.11.1 Apparatus
- 7.11.2 Preparation of test specimens
- 7.11.2.1 Class 1 materials
- 7.11.2.2 Class 2 and Class 3 materials
- 7.11.3 Procedure
- 7.11.4 Treatment of results
- 7.12 Water sorption and solubility
- 7.12.1 Apparatus
- 7.12.2 Preparation of test specimens
- 7.12.2.1 Class 1 materials
- 7.12.2.2 Class 2 and Class 3 materials
- 7.12.3 Procedure
- 7.12.4 Treatment of results
- 7.12.4.1 Water sorption
- 7.12.4.2 Treatment of water sorption test results
- 7.12.4.3 Solubility
- 7.12.4.4 Treatment of solubility test results
- 7.13 Shade and colour stability after irradiation and water sorption
- 7.13.1 General
- 7.13.2 Apparatus
- 7.13.3 Preparation of test specimens
- 7.13.4 Procedure
- 7.13.5 Colour comparison for shade
- 7.13.6 Colour comparison for colour stability
- 7.14 Radio-opacity
- 7.14.1 Perform the test in accordance with ISO 13116
- 7.14.2 Preparation of test specimens
- 7.14.3 Treatment of results
- 8 Packaging, marking, instructions and information to be supplied by the manufacturer
 - 8.1 Packaging
 - 8.2 Marking and instructions for use
 - 8.3 Declaration of components

Page count: 29