ISO 9917-2:2017-09 (E)

Dentistry - Water-based cements - Part 2: Resin-modified cements

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Classification and applications 2
4.1 Classification 2
4.2 Applications 2

5 Requirements 3
5.1 Materials 3
5.2 Working time 3
5.3 Setting time -- Class 1 and Class 3 materials only 3
5.4 Film thickness -- Luting materials only (see 4.2) 3
5.5 Flexural strength 3
5.6 Radio-opacity 3
5.7 Shade and colour stability -- Restorative materials only 3

6 Sampling 3

7 Test conditions and preparation of test specimens 4
7.1 Test conditions 4
7.2 Method of mixing 4
7.3 Inspection 4

8 Packaging, marking and information to be supplied by the manufacturer 4
8.1 Packaging 4
8.2 Marking and instructions for use 5

Annex A (normative) Determination of working time and setting time 8

Annex B (normative) Determination of film thickness -- Luting materials only 10

Annex C (normative) Determination of flexural strength 12

Annex D (normative) Determination of radio-opacity 17

Annex E (normative) Determination of shade and colour stability -- Restorative (except for tooth core build-up) and luting materials only 19

Bibliography 21