ISO 29022:2013-06 (E)

Dentistry - Adhesion - Notched-edge shear bond strength test

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Tooth substrate and storage 1
4.1 General 1
4.2 Time after extraction 2
4.3 Condition of teeth 2
4.4 Initial preparation and storage of teeth 2

5 Tooth surface preparation 2
5.1 General 2
5.2 Potting (mounting) of teeth 2
5.3 Surface preparation 3
5.4 Storage of prepared specimens 3

6 Specimen production, handling and storage 3
6.1 General 3
6.2 Preconditioning 3
6.3 Application of adhesive 3
6.4 Insertion into bonding clamp 4
6.5 Composite placement 4
6.6 Specimen handling and storage 4

7 Notched-edge shear test 5
7.1 Apparatus 5
7.2 Shear loading 6
7.3 Test 6
7.4 Recording and treatment of results 6
7.5 Report 6

Annex A (normative) Detailed drawings of notched-edge shear apparatus 8