



UvA-DARE (Digital Academic Repository)

A better understanding of orthodontic bracket bonding

Algera, T.J.

[Link to publication](#)

Citation for published version (APA):

Algera, T. J. (2009). A better understanding of orthodontic bracket bonding

General rights

It is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), other than for strictly personal, individual use, unless the work is under an open content license (like Creative Commons).

Disclaimer/Complaints regulations

If you believe that digital publication of certain material infringes any of your rights or (privacy) interests, please let the Library know, stating your reasons. In case of a legitimate complaint, the Library will make the material inaccessible and/or remove it from the website. Please Ask the Library: <http://uba.uva.nl/en/contact>, or a letter to: Library of the University of Amsterdam, Secretariat, Singel 425, 1012 WP Amsterdam, The Netherlands. You will be contacted as soon as possible.

CONTENTS

Chapter 1	Introduction	9
Chapter 2	A systematic review of the <i>in vitro</i> shear bond strength of Transbond XT	19
Chapter 3	The influence of accelerating the setting rate by ultrasound or heat on the bond strength of glass ionomers used as orthodontic bracket cements	35
Chapter 4	The influence of environmental conditions on the material properties of setting glass ionomer cements	49
Chapter 5	The influence of different bracket base surfaces on the tensile and shear bond strength	63
Chapter 6	The influence of dynamic fatigue loading on the separate components of the bracket-cement-enamel system	75
Chapter 7	A comparison of FEM-analysis with <i>in vitro</i> bond strength tests of the bracket-cement-enamel system	91
Chapter 8	General discussion	105
Chapter 9	Summary and conclusions	113
	Samenvatting en conclusies	117
	Dankwoord	123