



**APPENDICES**

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่

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## APPENDIX A

### SHEAR BOND STRENGTH VALUES

**Table 12** The raw data of shear bond strength in each group.

| No | Shear bond strength (in MPa) |          |           |          |          |          |           |            |
|----|------------------------------|----------|-----------|----------|----------|----------|-----------|------------|
|    | Group I                      | Group II | Group III | Group IV | Group V  | Group VI | Group VII | Group VIII |
| 1  | 7.31452                      | 7.48242  | 6.20809   | 8.77854  | 4.80647  | 4.10467  | 8.09351   | 7.41978    |
| 2  | 10.51593                     | 5.49037  | 7.15138   | 9.21988  | 5.98687  | 4.37456  | 6.90948   | 7.58142    |
| 3  | 10.00793                     | 6.62852  | 5.79129   | 5.73654  | 1.80548  | 6.52492  | 7.01930   | 6.50555    |
| 4  | 7.02024                      | 4.29325  | 5.50190   | 9.34265  | 5.06737  | 5.95270  | 4.33906   | 7.36905    |
| 5  | 6.35286                      | 4.88303  | 7.07230   | 5.29354  | 5.21673  | 4.93392  | 7.37054   | 5.69319    |
| 6  | 9.40012                      | 8.91412  | 7.13092   | 5.10823  | 8.98255  | 6.06114  | 5.49749   | 7.43679    |
| 7  | 12.06792                     | 7.40421  | 11.16334  | 6.49823  | 11.45759 | 7.34846  | 7.39619   | 5.66530    |
| 8  | 10.94285                     | 10.57977 | 7.50600   | 5.21118  | 8.02593  | 5.85602  | 6.98948   | 7.59667    |
| 9  | 14.69475                     | 5.46118  | 7.79250   | 6.74465  | 4.01677  | 6.49713  | 8.79133   | 6.66530    |
| 10 | 11.23338                     | 8.84134  | 7.12263   | 5.35395  | 8.41036  | 7.56760  | 5.97209   | 8.18387    |
| 11 | 14.69475                     | 9.86324  | 7.01795   | 5.54358  | 6.51665  | 9.73788  | 6.78232   | 7.14390    |
| 12 | 13.34209                     | 4.22714  | 10.02812  | 6.82251  | 7.11659  | 5.91559  | 9.75046   | 8.17293    |
| 13 | 18.09615                     | 5.97939  | 6.68469   | 6.25847  | 5.63796  | 5.99739  | 9.83707   | 9.11300    |

**Table 12** (continued)

| No | Shear bond strength (in MPa) |          |           |          |         |          |           |            |
|----|------------------------------|----------|-----------|----------|---------|----------|-----------|------------|
|    | Group I                      | Group II | Group III | Group IV | Group V | Group VI | Group VII | Group VIII |
| 14 | 16.42786                     | 7.31452  | 4.47271   | 7.14157  | 7.11768 | 6.95834  | 5.80334   | 6.12344    |
| 15 | 11.52353                     | 7.19535  | 9.80185   | 5.61717  | 5.03059 | 5.55854  | 4.33581   | 5.32520    |
| 16 | 15.37347                     | 6.60287  | 7.98202   | 5.93964  | 6.41998 | 4.13562  | 4.32126   | 7.73090    |
| 17 | 10.34771                     | 8.34177  | 7.90603   | 6.81492  | 5.48534 | 8.62316  | 6.62959   | 8.88878    |
| 18 | 9.34535                      | 9.68453  | 8.26088   | 7.30672  | 5.43429 | 5.41330  | 7.11334   | 8.35561    |
| 19 | 12.19345                     | 8.96845  | 6.84982   | 6.00235  | 7.75931 | 10.21269 | 5.08571   | 6.65320    |
| 20 | 13.07551                     | 6.56782  | 5.97522   | 4.04077  | 5.32968 | 11.46031 | 6.76780   | 7.88351    |

Group I: Transbond™ XT total-etching system under non-contaminated conditions

Group II: Transbond™ XT total-etching system under saliva-contaminated conditions

Group III: Transbond™ Plus self-etching system under non-contaminated conditions

Group IV: Transbond™ Plus self-etching system under saliva-contaminated conditions

Group V: Beauty Ortho Bond® self-etching system under non-contaminated conditions

Group VI: Beauty Ortho Bond® self-etching system under saliva-contaminated conditions

Group VII: Assure® total-etching system under non-contaminated conditions

Group VIII: Assure® total-etching system under saliva-contaminated conditions

APPENDIX B

ADHESIVE REMNANT INDEX SCORES

Table 13 The raw data of adhesive remnant index scores in each group.

| No | Adhesive remnant index score |          |           |          |         |          |           |            |
|----|------------------------------|----------|-----------|----------|---------|----------|-----------|------------|
|    | Group I                      | Group II | Group III | Group IV | Group V | Group VI | Group VII | Group VIII |
| 1  | 0                            | 2        | 2         | 2        | 2       | 1        | 2         | 1          |
| 2  | 2                            | 0        | 2         | 2        | 3       | 1        | 1         | 1          |
| 3  | 2                            | 2        | 1         | 1        | 1       | 1        | 1         | 1          |
| 4  | 2                            | 2        | 1         | 2        | 1       | 1        | 0         | 1          |
| 5  | 2                            | 1        | 1         | 1        | 1       | 1        | 2         | 0          |
| 6  | 1                            | 1        | 1         | 1        | 2       | 1        | 1         | 1          |
| 7  | 1                            | 1        | 2         | 1        | 1       | 1        | 2         | 2          |
| 8  | 2                            | 1        | 2         | 1        | 1       | 1        | 2         | 1          |
| 9  | 1                            | 2        | 2         | 1        | 1       | 1        | 2         | 2          |
| 10 | 2                            | 1        | 2         | 1        | 1       | 1        | 0         | 0          |
| 11 | 1                            | 1        | 1         | 2        | 1       | 2        | 1         | 1          |
| 12 | 0                            | 1        | 1         | 1        | 1       | 0        | 1         | 1          |
| 13 | 2                            | 1        | 1         | 1        | 1       | 1        | 1         | 2          |
| 14 | 2                            | 1        | 2         | 2        | 1       | 1        | 1         | 2          |
| 15 | 2                            | 1        | 2         | 2        | 1       | 1        | 0         | 2          |
| 16 | 0                            | 1        | 1         | 2        | 1       | 1        | 0         | 2          |
| 17 | 2                            | 0        | 1         | 1        | 2       | 1        | 2         | 1          |
| 18 | 2                            | 1        | 2         | 0        | 2       | 3        | 2         | 2          |
| 19 | 1                            | 2        | 1         | 0        | 1       | 1        | 1         | 2          |
| 20 | 1                            | 2        | 1         | 1        | 2       | 1        | 2         | 1          |

Group I: Transbond™ XT total-etching system under non-contaminated conditions

Group II: Transbond™ XT total-etching system under saliva-contaminated conditions

Group III: Transbond™ Plus self-etching system under non-contaminated conditions

Group IV: Transbond™ Plus self-etching system under saliva-contaminated conditions

Group V: Beauty Ortho Bond® self-etching system under non-contaminated conditions

Group VI: Beauty Ortho Bond® self-etching system under saliva-contaminated conditions

Group VII: Assure® total-etching system under non-contaminated conditions

Group VIII: Assure® total-etching system under saliva-contaminated conditions



## CURRICULUM VITAE

|                        |  |
|------------------------|--|
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