

**DoP (declaration of performance)**  
**Declaration of performance**  
**Nr. 681.1.1**

**681 MARMERCOL**

|                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Unique identification                                                                                                                                                                                                                | Each package is labelled with a unique batch number that can be traced back to the specifications drafted for this adhesive.                                                                                                                                                                                                                         |                                                                                                                                                           |
| 2. Designation                                                                                                                                                                                                                          | Forbo Eurocol Nederland 681 Marmercol; dispersion-based, super elastic, white wall tile adhesive.                                                                                                                                                                                                                                                    |                                                                                                                                                           |
| 3. Application                                                                                                                                                                                                                          | For gluing light coloured natural stone, glass mosaic and ceramic wall tiles to practically all walls, such as cement-bound and/or plaster-bound materials, sheet goods and existing tiling. Suitable for interior and exterior situations.                                                                                                          |                                                                                                                                                           |
| 4. Name and contact address manufacturer                                                                                                                                                                                                | <i>Forbo Eurocol Nederland B.V.</i><br><i>Industrieweg 1-2</i><br><i>NL-1521 NA Wormerveer The Netherlands</i><br><i>Tel. +31 75 6271600</i><br><i>Email: info.eurocol@forbo.com</i>                                                                                                                                                                 |                                                                                                                                                           |
| 5. Name and contact address authorized                                                                                                                                                                                                  | n/a                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                           |
| 6. System of assessment and verification of constancy of performance                                                                                                                                                                    | 3                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                           |
| 7. Activity of the notified certification body as required by the harmonized standard                                                                                                                                                   | The registered certifying body IKOB-BKB, identification no. 0957, performed the activities under system 3 and showed that the tile adhesive in question fulfils the initial type certification requirements described in Annex ZA of NEN-EN 12004:2007+A1:2012 and issued the certification of performance constancy and the conformity certificate. |                                                                                                                                                           |
| 8. European Technical Assessment                                                                                                                                                                                                        | n/a                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                           |
| 9. Declared performance                                                                                                                                                                                                                 | D2TE in accordance with NEN EN 12004:2007+A1:2012; Improved dispersion based wall tile adhesive with increased strength and extended open time.                                                                                                                                                                                                      |                                                                                                                                                           |
| <b>Essential characteristics</b>                                                                                                                                                                                                        | Performance                                                                                                                                                                                                                                                                                                                                          | Test method                                                                                                                                               |
| Initial adhesive strength                                                                                                                                                                                                               | $\geq 1 \text{ N/mm}^2$                                                                                                                                                                                                                                                                                                                              | NEN-EN 1324:2008 §7.2                                                                                                                                     |
| Heat exposure                                                                                                                                                                                                                           | $\geq 1 \text{ N/mm}^2$                                                                                                                                                                                                                                                                                                                              | NEN-EN 1324:2008 §7.4                                                                                                                                     |
| Material behaviour in case of fire                                                                                                                                                                                                      | Class E                                                                                                                                                                                                                                                                                                                                              | NEN-EN 13501-1:2007+A1:2009                                                                                                                               |
| Released dangerous substances                                                                                                                                                                                                           | see MSDS                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                           |
| <b>Optional characteristics</b>                                                                                                                                                                                                         | Performance                                                                                                                                                                                                                                                                                                                                          | Test method                                                                                                                                               |
| Increased sagging resistance                                                                                                                                                                                                            | $\leq 0.5 \text{ mm}$                                                                                                                                                                                                                                                                                                                                | NEN-EN 1308:2008                                                                                                                                          |
| Adhesive strength after water exposure                                                                                                                                                                                                  | $\geq 0.5 \text{ N/mm}^2$                                                                                                                                                                                                                                                                                                                            | NEN-EN 1324:2008 §7.3                                                                                                                                     |
| Increased temperature                                                                                                                                                                                                                   | $\geq 1 \text{ N/mm}^2$                                                                                                                                                                                                                                                                                                                              | NEN-EN 1324:2008 §7.5                                                                                                                                     |
| Extended open time 30 minutes                                                                                                                                                                                                           | $\geq 0.5 \text{ N/mm}^2$                                                                                                                                                                                                                                                                                                                            | NEN-EN 1346:2008                                                                                                                                          |
| This declaration of performance was drafted in accordance with Annex ZA of NEN-EN 12004:2007+A1:2012;                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                           |
| 10. The performance of the points 1 and 2 are consistent with the described product specified in paragraph 9 performance. This declaration of performance is issued under the sole responsibility of the in item listed manufacturer 4. |                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                           |
|                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                      | Wormerveer, 22-08-2013<br>signed: ing. T.W. Breeuwer; Manager R&D<br> |