



# PRODUCT DATA SHEET

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## BTMSEAL PU 1K PRIMER

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|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------|---------------|
| <b>PRODUCT DESCRIPTION</b>                     | A one component clear polyurethane primer which has been designed as a high performance bonding agent for Polyurethane sealants and coatings.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                     |                  |               |
| <b>USAGE</b>                                   | To act as a primer for polyurethane Sealants and coatings where they are applied to porous or friable surfaces such as concrete or plaster.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                     |                  |               |
| <b>APPLICATION METHOD</b>                      | <p><b>SURFACE PREPARATION:</b><br/>Surface preparation: The correct preparation of the surfaces is critical in ensuring the satisfactory performance of the polyurethane sealant or coatings. All surfaces should be dry and sound and laitance or surface contamination should be removed by wire brushing, grinding or grit blasting. Vacuum or blow with compressed air to ensure removal of dust. The use of the primer will assist but will not compensate for surfaces that are too weak to withstand the forces exerted on them by the sealant or coatings.</p> <p><b>MIXING:</b><br/>Stir using a low speed mechanical mixer or drill.</p> <p><b>APPLICATION:</b></p> <ul style="list-style-type: none"><li>• Apply by brush, roller or spray.</li><li>• Apply thinly, avoid pooling of primer. Spills may be mopped up using an absorption cloth.</li><li>• Thinning is generally not required.</li><li>• The primer has a pot life of 6 hours at 25°C. Do not attempt to re-use primer, which has already set.</li><li>• Avoid exposure to open flames.</li><li>• Proceed with topcoat or sealant application once the primer has become tacky (20 minutes to 1 hour, depending on weather and ambient temperature at the site)</li></ul> <p>Apply the mixed material with a brush, roller or airless spray to surfaces ensuring complete coverage. Particular attention should be paid to any voids and hollows. Allow at least 30 minutes for the solvent to evaporate before applying the polyurethane sealant or coatings. Protect the primed surface from dust or dirt, which could coat it and interfere with the adhesion of the sealant.</p> |                                     |                  |               |
| <b>CONSUMPTION</b>                             | Wastage should be 150 - 200 gr/m <sup>2</sup> during the application.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                     |                  |               |
| <b>PACKAGING</b>                               | 20 kg pail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                     |                  |               |
| <b>TEST</b>                                    | <b>METOD</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>UNIT</b>                         | <b>TOLERANCE</b> | <b>RESULT</b> |
| Base                                           | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -                                   | -                | Polyurethane  |
| Colour                                         | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -                                   | -                | Clear         |
| Density                                        | TS 132                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | g/ml                                | ±0,05            | 1             |
| Viscosity                                      | ASTM 2196                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | c P                                 | ±70              | 200           |
| Tack Free time                                 | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | hour                                | -                | 4-5           |
| Water vapour Transmission Properties ( SD)     | EN ISO 7783                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | m                                   | SD<5             | Class I       |
| Bond Strenght                                  | EN 1542                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | N/mm <sup>2</sup>                   | -                | ≥1,5          |
| Determination of Liquid Water Permeability (w) | EN 1062-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | kg/m <sup>2</sup> .h <sup>0,5</sup> | -                | <0,1          |
| Tensile strenght                               | ASTM D 412                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | N/mm <sup>2</sup>                   | -                | 30            |
| Elongation at Break                            | ASTM D 412                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | %                                   | ±5               | 300           |
| Application Temperature                        | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | °C                                  | ±5               | 10-30         |

\* For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet

The manufacturer serves the right to modify, at any time, the characteristics of its products

BF/14-17-0