

**TECHNICAL DATA SHEET**

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| Name and address of manufacturer | : MULTİPLAN YALITIM SİSTEMLERİ SAN.TİC.A.Ş.<br>G.O.S.B. İhsandede Caddesi No:111/B<br>Gebze/KOCAELİ / TÜRKİYE |
| Product trade name               | : MULTİPLAN BA/T  |
| Description                      | : PVC Tunnel membrane, homogenous, incompatible with bitumen respectively                                     |
| European Standart                | : EN 13967  |
| Type of application              | : Damp proof sheets Type A and basement tanking sheets Type T   |
| Standart dimensions              | : Width: 1620 mm; 2200 mm<br>Thickness: 1,5 mm; 2,0 mm  |

| CHARACTERISTICS  | REQUIRED MIN. VALUE | TEST RESULTS    | UNIT              | TEST METHODS                    |
|--|---------------------|-----------------|-------------------|---------------------------------|
| WATER TIGHTNESS TO LIQUID WATER                                | WATERPROOF          | WATERPROOF      | -                 | EN 1928                         |
| RESISTANCE TO STATIC LOADING                                   | ≥ 20                | ≥ 20            | kg                | EN 12730                        |
| TENSILE STRENGHT   | ≥ 15                | ≥ 17            | N/mm <sup>2</sup> | EN 12311-2                      |
| ELONGATION AT BREAK  | ≥ 250               | ≥ 300           | %                 | EN 12311-2                      |
| DURABILITY OF WATER TIGHTNESS AGAINST AGEING                   | WATERPROOF          | WATERPROOF      | -                 | EN 1296 AND EN 1928             |
| RESISTANCE TO IMPACT   | ≥ 450               | ≥ 1250          | mm                | EN 12691                        |
| RESISTANCE TO TEAR (NAIL SHANK)                                | ≥ 300               | ≥ 300           | N                 | EN 12310-1                      |
| REACTION TO FIRE   | CLASS E             | CLASS E         | -                 | CLASSIFICATION AFTER EN 13501-1 |
| JOINT STRENGHT   | ≥ 600               | ≥ 700           | N/50mm            | EN 12317-2                      |
| DETERMINATION OF WATER VAPOR TRANSMISSION                      | ≥ 18.000 ± 30 %     | ≥ 18.000 ± 30 % | μ                 | EN 1931                         |
| PEEL RESISTANCE OF JOINT                                       | ≥ 150               | ≥ 150           | N/50mm            | EN 12316-2                      |
| DIMENSIONAL STABILITY  | ≤ 2                 | ≤ 2             | %                 | EN 1107-2                       |
| FOLDABILITY AT LOW TEMPERATURE                                 | -20≤                | -20≤            | °C                | EN 495-5                        |
| VISIBLE DEFECTS  | PASS                | PASS            | -                 | EN 1850-2                       |
| EFFECTS OF LIQUID CHEMICALS, INCLUDING WATER (28 DAYS / 23° C) | RESISTANT           | RESISTANT       | -                 | EN 1847                         |