

TECHNICAL DATA SHEET

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| Name and address of manufacturer | : PROTAN TURKEY YALITIM SAN.TİC.A.Ş. : G.O.S.B. İhsandede Caddesi No:111/1 Gebze/KOCAELİ / TÜRKİYE |
| Product trade name | : PROTAN BA |
| Description | : PVC Damp Proof Sheet, Homogeneous, Incompatible with Bitumen |
| European Standart | : EN 13967 : EN 13491 |
| Type of application | : Damp Proof Sheets Type A and Basement Tanking Sheets Type T |
| Standart dimensions | : Width : 2200 mm : Length : 20 m |

| CHARACTERISTICS | REQUIRED MIN. VALUE | TEST RESULT 1,20 mm | TEST RESULT 1,50 mm | TEST RESULT 2,00 mm | UNIT | TEST METHODS |
|--|---------------------|------------------------|------------------------|------------------------|-------------------|-----------------------------------|
| VISIBLE DEFECTS | Pass | Pass | Pass | Pass | - | EN 1850-2 |
| THICKNESS | MDV | 1,20 ± %5 | 1,50 ± %5 | 2,00 ± %5 | mm | EN 1849-2 |
| MASS PER UNIT AREA | MDV | 1,60 (- %5, +%10) | 1,90 (- %5, +%10) | 2,50 (- %5, +%10) | kg/m ² | EN 1849-2 |
| WATER TIGHTNESS | Waterproof | Waterproof | Waterproof | Waterproof | - | EN 1928 |
| WATER TIGHTNESS TO LIQUID WATER | Waterproof | Waterproof | Waterproof | Waterproof | - | EN 1296 and EN 1928 |
| RESISTANCE TO IMPACT | ≥ 600 | ≥ 600 | ≥ 800 | ≥ 1000 | mm | EN 12691 |
| EFFECTS OF LIQUID CHEMICALS, INCLUDING WATER (28 DAYS / 23° C) | Resistant | Resistant | Resistant | Resistant | - | EN 1847, EN 1928, Method B dumble |
| TEAR RESISTANCE (NAIL SHANK) | ≥ 300 | ≥ 300 | ≥ 350 | ≥ 400 | N | EN 12310-1 |
| JOINT SHEAR RESISTANCE | ≥ 600 | ≥ 700 | ≥ 750 | ≥ 800 | N/50mm | EN 12317-2 |
| JOINT PEEL RESISTANCE | ≥ 150 | ≥ 150 | ≥ 180 | ≥ 200 | N/50mm | EN 12316-2 |
| DETERMINATION OF WATER VAPOR TRANSMISSION | ≥ 18.000 ± 30 % | ≥ 18.000 ± 30 % | ≥ 18.000 ± 30 % | ≥ 18.000 ± 30 % | μ | EN 1931 |
| RESISTANCE TO STATIC LOAD | ≥ 20 | ≥ 20 | ≥ 20 | ≥ 20 | kg | EN 12730 |
| TENSILE STRENGHT | L ≥ 15 | L ≥ 15 | L ≥ 16 | L ≥ 17 | N/mm ² | EN 12311-2 Method B dumble |
| | T ≥ 15 | T ≥ 15 | T ≥ 15 | T ≥ 16 | | |
| REACTION TO FIRE | CLASS E | CLASS E | CLASS E | CLASS E | - | CLASSIFICATION AFTER EN 13501-1 |
| ELONGATION AT BREAK | L ≥ 250 | L ≥ 250 | L ≥ 300 | L ≥ 300 | % | EN 12311-2 (Method B dumble) |
| | T ≥ 250 | T ≥ 250 | T ≥ 250 | T ≥ 300 | | |
| DIMENSIONAL STABILITY | ≤ 2 | ≤ 2 | ≤ 2 | ≤ 2 | % | EN 1107-2 |
| FOLDABILITY AT LOW TEMPERATURE | -20 | -20 | -20 | -20 | °C | EN 495-5 |

MDV = Manufacturer's Declared Value

L = Machine Direction

T = Cross Direction

This technical data sheet was prepared according to the latest technical knowledge and standards of Protan Turkey Yalitim Sanayi Ticaret A.Ş./Gebze, KOCAELİ TURKEY. Technical changes due to further developments are possible.