



TECHNICAL DATA SHEET

Revision 05, dd. 16th Apr 2015

GeoMatt TB25

Non-Woven Geotextile manufactured from UV-stabilized polypropylene staple fibres, Needle punched and Thermally Bonded

Suitable for the following applications:

| | | | | | |
|-------------------------------------|--|---|-------------------------------------|--|--|
| <input checked="" type="checkbox"/> | | EN 13249:2000+A1:2005: Characteristics required for use in the construction of roads and other trafficked areas | <input checked="" type="checkbox"/> | | EN 13250:2000+A1:2005 : Characteristics required for use in the construction of railways |
| <input checked="" type="checkbox"/> | | EN 13251:2000+A1:2005 : Characteristics required for use in earthworks, foundations and retaining structures | <input checked="" type="checkbox"/> | | EN 13252:2000+A1:2005 : Characteristics required for use in drainage systems |
| <input checked="" type="checkbox"/> | | EN 13253:2000+A1:2005 : Characteristics required for use in erosion control works (coastal protection, bank revetments) | <input checked="" type="checkbox"/> | | EN 13254:2000+A1:2005 : Characteristics required for use in the construction of reservoirs and dams |
| <input checked="" type="checkbox"/> | | EN 13255:2000+A1:2005 : Characteristics required for use in the construction of canals | <input type="checkbox"/> | | EN 13256:2000+A1:2005 : Characteristics required for use in the construction of tunnels and underground structures |
| <input checked="" type="checkbox"/> | | EN 13257:2000+A1:2005 : Characteristics required for use in solid waste disposal | <input checked="" type="checkbox"/> | | EN 13265:2000+A1:2005 : Characteristics required for use in liquid waste containment projects |

| Functions | Separation | Filtration | Protection | Drainage | Reinforcement |
|----------------------------------|--|--|-------------------------------------|-------------------------------------|--------------------------|
| | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Characteristic | Test Method | Unit | | Nominal Value | |
| Mass per unit area | EN ISO 9864 | g/m ² | | 300 | |
| Thickness | EN ISO 9863-1 | mm | 2 kPa | 1.95 | |
| Wide – Width Tensile Strength | EN ISO 10319 | kN/m | MD | 27 | |
| | | | CMD | 27 | |
| Elongation | EN ISO 10319 | % | MD | 50 | |
| | | | CMD | 55 | |
| Static Puncture Resistance | EN ISO 12236 | N | | 4000 | |
| Dynamic Perforation Test | EN ISO 13433 | mm | | 13 | |
| Characteristic Opening Size | EN ISO 12956 | µm | | 70 | |
| Permeability normal to the plane | EN ISO 11058 | l/(m ² .s) | | 50 | |
| Pyramid Puncture Resistance | EN 14574 | N | | 325 | |
| Durability Prediction | To be covered within 1 month after installation. Predicted to be durable for more than 25 years in natural soils with 4<ph<9 and soil temperature <25 °C | | | | |
| Oxidation Resistance | EN ISO 13438 | Retained Strength >90% at (110±1)°C after 14 days exposure | | | |
| Resistance to Weathering | EN 12224 | Retained Strength of ≥ 75% after 50 MJ/m2 exposure | | | |

MD : Machine Direction – CMD : Cross Machine Direction – NR : Not Required for application

TOLERANCE ON ROLL WIDTH: ± 5 cm. TOLERANCE ON ROLL LENGTH: ± 2% IF LENGTH ≤ 200 m. ± 1% IF LENGTH > 200 m.
STANDARD CORES: HDPE. DIAMETER INNER 100mm / OUTER 110mm ± 5%. TOLERANCE ON GROSS/NET WEIGHT ± 10%. TOLERANCE ON MECHANICAL & PHYSICAL SPEC ± 10%.
TOLERANCE ON ELONGATION @ BREAK ± 20%. TOLERANCE ON HYDRAULIC SPECIFICATION ± 30%. TECHNICAL DATA BASED ON STATISTIC ANALYSIS ON 95% CONFIDENCE LIMIT.

| Issued | |
|------------|-----|
| Date | MDM |
| 16/04/2015 | MDM |

| Verified | |
|------------|-----|
| Date | PHG |
| 16/04/2015 | PHG |

| Approved | |
|------------|-----|
| Date | MNV |
| 16/04/2015 | MNV |



Our products are tested on regular basis in our in-house laboratory and on periodical basis by international independent laboratories

Notes:

- Mattex Geosynthetics reserves the right to alter product specifications without prior notice.
- It is the responsibility of all users to satisfy themselves that the above data is current
- The above figures are average values obtained from testing current EN geotextile test standards. Although, not guaranteed, these results to the best of our knowledge, offer a true & accurate record of products performance.
- We cannot accept responsibility for the performance of these products as the conditions of use are beyond our control.
- Installations details & storage guidelines are available on request.
- This document should not be construed as engineering advice.

Factory of Jubail Saudi Company for Geotextile Solutions | Plot No. 2713, Road 148 – Industrial Area Unit No. 1 | Al-Jubail 35723-7373, Kingdom of Saudi Arabia
Tel. +966(13)3411488 | Fax. +966(13)3416928 | Web: www.mattexgeo.com | e-mail: sales@mattexgeo.com

