

## TEXXAM 700

TEXXAM 700 is a thermally bonded non-woven polypropylene (100%) geotextile used as a separating, filtering, drainage and protective layer for building and civil works.

### ADVANTAGES

- Chemical Resistance: TEXXAM is resistant to acids and alkali commonly found in soil
- Biological resistance: TEXXAM is not affected by bacteria and fungi. It contains nutrients, so it is not attacked by rodents and termites
- Weather-resistant: for an approximate period of 1 month (UNE-EN ISO 12224)
- Shelf-life: a minimum of 25 years in natural soil with a pH between 4 and 9, and a temperature lower than 25°C (UNE-EN ISO 12226)
- Excellent handling due to its thermo-calendared finishing.
- Limit the regrowth of weeds and prevents the mixing of aggregates



### APPLICATION

- Filtration: using its transverse permeability, allows us to pass water through its ducts, retaining fine soil particles; this is achieved depending on the pore size
- Separation: prevents mixing of particles from different soils. Prevents contact between non compatible materials. Acts as permanent barrier between materials with different structures
- Drainage: leads away both water and liquids and gases in industrial facilities or landfills due to its transmissivity (permeability in the plane). Removes excess water in soils, usually associated with large capacity geocomposite construction
- Reinforcement: provides tensile strength for road embankments and slopes and green walls.

### REGULATIONS

• In accordance with standards: UNE-EN 13249:2001, UNE-EN 13250:2001, UNE-EN 13251:2001, UNE-EN 13252:2001, UNE-EN 13253:2001, UNE-EN 13254:2001, UNE-EN 13255:2001, UNE-EN 13256:2001, UNE-EN 13265:2001, UNE-EN 13265:2001. Certified with CE marking No. 0099/CPR/A42/0098 - 0099

### Geotextiles Polypropylene

TEXSA SYSTEMS SLU reserves the right to modify the information contained herein without prior notice and declines all liability in cases of errors produced due to inappropriate use of the product. The values shown in the technical sheet are the mean values from tests in our lab.

## PACKAGING AND STORAGE

| Roll        | TEXXAM 700 | TEXXAM 1000 | TEXXAM 1500 | TEXXAM 3000 |
|-------------|------------|-------------|-------------|-------------|
| Width (m)   | 2.2        | 2.2         | 2.2         | 2.2         |
| Length (m)  | 175        | 150         | 125         | 100         |
| Weight (kg) | 35         | 40          | 47          | 55          |

## TECHNICAL PROPERTIES

| PROPERTIES                       | Unit | Test Method       | TEXXAM 700            | TEXXAM 1000           | TEXXAM 1500          | TEXXAM 3000         |
|----------------------------------|------|-------------------|-----------------------|-----------------------|----------------------|---------------------|
| Thickness 2 kPa load             | mm   | UNE EN ISO 9863-1 | 0.95                  | 1.05                  | 1.25                 | 1.6                 |
| Maximum tensile                  | kN/m | UNE-EN ISO 10319  | 6.5                   | 9                     | 12.5                 | 19                  |
| Elongation at break              | %    | UNE-EN ISO 10319  | 40                    | 40                    | 50                   | 60                  |
| Static puncture resistance (CBR) | N    | UNE-EN ISO 12236  | 1100                  | 1500                  | 2250                 | 3350                |
| Dynamic perforation (cone drop)  | mm   | UNE-EN ISO 10319  | 40                    | 25                    | 22                   | 14                  |
| Average pore size $\phi 90$      | mm   | UNE-EN ISO 12956  | 90                    | 65                    | 60                   | 60                  |
| Permeability H50                 | m/s  | UNE-EN ISO 11058  | 116 ·10 <sup>-3</sup> | 114 ·10 <sup>-3</sup> | 94 ·10 <sup>-3</sup> | 65·10 <sup>-3</sup> |

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