1213-CPD-4943

# ECOFIBRE

NON WOVEN GEOTEXTILE

SKZ TeConA GmbH · SKZ · Zertifizierungsstelle

Würzburg Germany

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TÜV SÜD ISO 9001

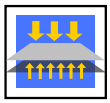
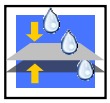
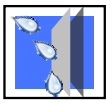
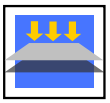
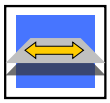
tgm Austria

GÜTEÜBERWACHUNG ivg GEOKUNSTSTOFFE

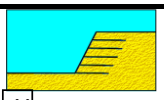
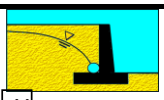
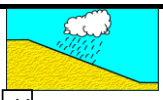
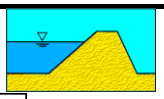
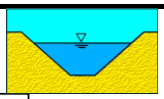
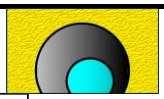
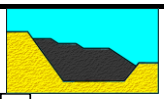
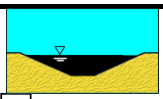
# ECOFELT PP-FC/AG 20

**NONWOVEN NEEDLED FABRIC**
**PRODUCED WITH PP (POLYPROPYLENE) HT FIBER, WITHOUT CHEMICAL TREATMENTS, UV RAYS STABILIZED**

## Funzioni / Function / Anwendungen / Function

| | | | | |
|---|---|---|---|---|
| X | X | X | X | X |
|  |  |  |  |  |
| Separazione / Separation / Séparation / Trennung | Filtrazione / Filtering / Filtration / Filterung | Drenaggio / Drainage / Drainage / Dränen | Protezione / Protection / Schutzfunction/ Protection/ | Rinforzo / Reinforcement / Renforcement / Verstärkung |

| FEATURES | NORM | U.M | AVERAGE | TOLERANCE |
|---|---|---|---|---|
| AERIC MASS | **UNI EN ISO 9864** | g/m$^2$ | 200 | -10% |
| THICKNESS (2kPa) | **UNI EN ISO 9863** | mm. | 1,30 | -0,39 |
| TENSILE STRENGTH RESISTANCE MD | **EN ISO 10319** | kN/m | 16 | -2,4 |
| TENSILE STRENGTH RESISTANCE CMD | **EN ISO 10319** | kN/m | 16 | -2,4 |
| ELONGATION MD | **EN ISO 10319** | % | 50 | -20% |
| ELONGATION CMD | **EN ISO 10319** | % | 70 | -20% |
| ENERGY ABSORPTION INDEX | **EN ISO 10318** | kJ/m$^2$ | 4,8 | - |
| STATIC PUNCHING | **EN ISO 12236** | kN | 2,7 | -0,5 |
| DYNAMIC PUNCHING | **UNI EN ISO 13433** | mm. | 16 | 4,8 |
| OPENING SIZE | **EN ISO 12956** | um. | 80 | -30% |
| WATER PERMEABILITY PERP. ON PLANE | **EN ISO 11058** | m/s | 0,085 | -30% |
| DRAINING CAPACITY IN PLANE (20kPa) | **EN ISO 12958** | m$^2$/s | 2,50E-06 | -30% |
| DURABILITY | **EN ISO 12224** | Be covered within one month. Predicting durability of minimum 100 years in natural soils with 4 <pH <9 and soil temperature <25 °. | | |

| | | | | |
|---|---|---|---|---|
| | |  |  |  |
| X **EN 13249** | X **EN 13250** | X **EN 13251** | X **EN 13252** | X **EN 13253** |
| Strade / Roads Strassen / Routes | Ferrovie / Railways Schienenbau / Rail | Fondazioni / Foundations Fundamenten / Fondations | Drenaggio / Drainage System Draensystem / Drainage | AntiErosione / Erosion Control Erosionsschutz / Erosion |
|  |  |  |  |  |
| X **EN 13254** | X **EN 13255** | X **EN 13256** | X **EN 13257** | X **EN 13265** |
| Bacini / Dams Staudaemme / Barrages | Canali / Canals Kaenalenbau / Canaux | Tunnel / Tunnels Tunnelbau / Tunnel | Rifiuti Solidi / Solid Waste Deponiebau / Dechets Solid | Rifiuti Liquidi / Liquid Waste Fluessige Deponieabfall / Dechets Liquides |

The above mentioned values have been obtained in Ecofibre SRL laboratory and in accredited outer Laboratories.

The values are real and correct according to our knowledge. The values can be updated in any time without advise.

Roll lenght tolerance +/-2%, width tolerance +/-3cm

30/01/2025

*Quality Control Manager*
**ECOFIBRE s.r.l.**