

Colto Specification Sheet

Fibertex Geotextiles

Fibertex Geotextiles fulfils the latest requirements of the Colto Standard Specification for Road and Bridge Works for State Road Authorities. 1988 Edition.

Fibertex Geotextiles comply with the values given in Table 2104/2 on page 2100-3 and section 5200: Gabions, 5202 Materials, clause (f) Filter fabric below the Gabions on page 5200-1

Grade 1 - Fibertex F-50

Characteristics	Units	Grade 1	F-50	TEST method
Water percolation through flow	l/sec/m ²	Min. 20	70	SANS 10221-07
Puncture resistance	mm	Max. 14	14	EN ISO 13433 ¹⁾
Penetration load CBR	N	Min. 3800	3900	SANS 10221-07

Grade 2 - Fibertex F-34

Characteristics	Units	Grade 2	F-34	TEST method
Water percolation through flow	l/sec/m ²	Min. 20	70	SANS 10221-07
Puncture resistance	mm	Max. 26	22	EN ISO 13433 ¹⁾
Penetration load CBR	N	Min. 2400	2500	SANS 10221-07

Grade 3 - Fibertex F-25

Characteristics	Units	Grade 3	F-25	TEST method
Water percolation through flow	l/sec/m ²	Min. 20	145	SANS 10221-07
Puncture resistance	mm	Max. 32	32	EN ISO 13433 ¹⁾
Penetration load CBR	N	Min. 1500	1600	SANS 10221-07

Above technical values are mean values based on measurements in current production and test results from independent test institutes.

Note 1: The test method for the Puncture resistance as referred in the Colto Standard Specification for Road and Bridge Works for state Road Authorities, 1988 edition manual, Section 8114, page 8100-19 and 8100-20 has the same test parameters as per the EN ISO 13443 test method.

Fibertex Geotextiles

Fibertex Geotextiles are used in building and construction works for separation, filtration, drainage, protection, stabilization and reinforcement.

Fibertex Geotextiles are made of virgin polypropylene fibres added HALS UV stabilizer according to EN 12224.

The basic strength of Fibertex Geotextiles is obtained by needle-punching the PP-fibres, which gives strong elastic bonding between the fibres.

Due to the unique production process all Fibertex Geotextiles are added a thermal treatment unless marked with:

M: Needlepunched only

Quality Management

Fibertex A/S is certified according to the international quality management system DS/EN ISO 9001 as well as the environmental management system DS/EN ISO 14001.



Specifications for Tender

The geotextile should be Fibertex typeor comparable type.

The material should be needlepunched PP with a penetration load level ofN, acc. SANS 10221-07, the water throughflow should be l/sec/m² acc. SANS 10221-07, and the Puncture resistance should be lower than mm acc. EN ISO 13433. The geotextile supplier must be certified acc. to ISO 9001 and ISO 14001.

