

# Fibertex Geotextiles

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## Colto Specification Sheet

Page 1 of 1

Fibertex geotextiles fulfil 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 pages 2100 to 2103 and the section entitled Gabions, Materials, clause (f), Filter Fabric below the Gabions, on pages 5200 to 5202.

### Grade 1 – Fibertex F-50 SA

Characteristics	units	Colto Grade 1 Specification	Fibertex F-50 SA	Test method
Penetration load CBR	N	3 800	3 900	SANS 10221-2007
Puncture resistance	mm	14	12	EN ISO 13433 (see Note 1)
Water percolation throughflow	ℓ/sec/m <sup>2</sup>	20	50	SANS 10221-2007

### Grade 2 – Fibertex F-34 SA

Characteristics	units	Colto Grade 2 Specification	Fibertex F-34 SA	Test method
Penetration load CBR	N	2 400	2 600	SANS 10221-2007
Puncture resistance	mm	26	18	EN ISO 13433 (see Note 1)
Water percolation throughflow	ℓ/sec/m <sup>2</sup>	20	70	SANS 10221-2007

### Grade 3 – Fibertex F-22 SA

Characteristics	units	Colto Grade 3 Specification	Fibertex F-22 SA	Test method
Penetration load CBR	N	1 500	1 500	SANS 10221-2007
Puncture resistance	mm	32	30	EN ISO 13433 (see Note 1)
Water percolation throughflow	ℓ/sec/m <sup>2</sup>	20	85	SANS 10221-2007

**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, section 8114, pages 8100-8119 and 8100-8120 has the same test parameters as per the EN ISO 13443 test method.

An **M** in the Fibertex product code indicates it is needlepunched only, and has not undergone thermal treatment.

The above technical values are mean values and are indicative.

Fibertex reserves the right to make technical modifications to its products without notice.

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

Fibertex geotextiles are manufactured from virgin polypropylene fibres with an added UV stabiliser.

The basic strength of Fibertex Geotextiles is obtained by needlepunching the polypropylene fibres, which provides strong elastic bonding.

Fibertex is highly durable and resistant to all natural occurring soil alkalis and acids.

Fibertex geotextiles are manufactured to ISO 9001 2008 quality management procedures.

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