



Geobit[®] 5003

The present standard establishes the technical quality conditions, environmental requirements, sampling conditions, storage conditions, as well as other explanations necessary for producing **Geobit 5003** woven glass fabric reinforced geocomposite.

APPLICATION DOMAIN

The product has applications in the domain of civil and industrial engineering, because it is used as anti-crack layer or as reinforcement of bituminous or concrete coatings, of degraded cement coatings, for delaying crack propagation in the upper layer: they successfully replace geogrids used in these types of works.

SHIPPING AND STORAGE REQUIREMENTS

The material shall be transported by clean, covered means of transportation, protected from moisture and dirt.

The material shall be stored in closed spaces, protected from UV, away from water, steam and other types of pipes.

TECHNICAL QUALITY CONDITIONS

Nonwoven articles obtained from polyester fibres and reinforced with woven glass fabric must accomplish the quality conditions from the table below:

Physical-mechanical properties

Properties	Unit	Standard	Tolerance	Geobit 5003
Total mass, of which:	gr/m ²	SR EN 965:1999	± 10%	280
Mass nonwoven fibres	gr/m ²	SR EN 965:1999	± 10%	160
Mass woven glass fabric	gr/m ²	SR EN 965:1999	-	120
Thickness under the load of 2 kN/m ²	mm	SR EN 964-1:1999	± 0,3 mm	1
Thickness under the load of 20 kN/m ²	mm	SR EN 964-1:1999	± 0,3 mm	0,88
Tear resistance, longitudinal	kN/m	SR ISO 10319:1997	-2 kN/m	14
Tear resistance, transversal	kN/m	SR ISO 10319:1997	-2 kN/m	19
Elongation at break, longitudinal	%	SR ISO 10319:1997	± 1 %	2,1
Elongation at break, transversal	%	SR ISO 10319:1997	± 1 %	2,1
Width	m	STAS 6137-78	± 2 cm	1 - 2
Length	m	STAS 6137-78	-	50 - 100

SAMPLING, PACKAGING, STORAGE AND DELIVERY PACKAGE

Each lot shall contain a declaration of conformity and other documents, according to the laws in force.

Each roll shall be sampled in a visible place with a label containing: the name of the provider, article name, product width (m), roll length (m), operator number, shift, technical control of quality visa (CTC visa), production date, weight (kg).

Given the way in which it was obtained and in which it is used, this article does not affect life protection, work protection and security. Therefore, a certificate issued by a neuter institution authorized in the domain is not necessary.

ENVIRONMENTAL AND INSTALLING REQUIREMENTS

To be covered within 24 hours from installation. The supposed durability is of minimum 20 years, for other applications except reinforcement, in natural soils with 4<pH<9 and a temperature of <25° C.

PRODUCT RECEIPT

The term of acceptance and of formulating eventual complaints is within 5 days after receipt of the wares.

We are not liable for eventual damages caused by the incorrect putting into work of the geotextile or if the beneficiary uses a geotextile inadequate for the purpose of the work.
We reserve the right to modify the technical data without prior notice.