



Enhancing
Sustainable
Development

Advanced geosynthetic materials
Local experience and expertise
Alpha Pinnacle's localized solutions

ALPHATex™

NONWOVEN GEOTEXTILES

VALUE | PERFORMANCE | RELIABILITY

SPECIALIST IN GEOSYNTHETIC SOLUTIONS



Quality assured by accredited labs

Available up to 1200gsm

Materials fit for purpose

Cost effective

WIDELY USED

ALPHATMTex™ NONWOVEN GEOTEXTILES

A selected choice engineers and designers trust. Widely used in all fields of civil engineering.

With a complete range up to 1200gsm, materials selected are fit for purpose. There is suitable grade for every application. We provide support in selection or specification for your project.

Quality is assured for materials well-tested by accredited independent laboratories.



Road engineering,
railway engineering



Slope protection,
retaining walls



Erosion control



Environment protection
(landfill and containment)



Hydraulic Engineering
(river, coastal protection)



Site containment

**"Extends life span
of structures and
increases safety in
short and long
term"**

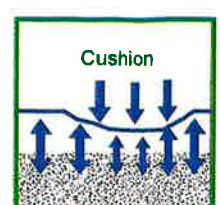
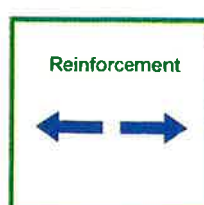
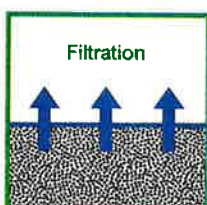


*ALPHATex™ nonwoven in highway
and road engineering projects*

MULTI-FUNCTIONAL

Made from 100% virgin polymer filaments, our range of nonwoven geotextiles has the ability to separate, filter, drain, reinforce and protect. It is durable and has high resistance to installation damage, resistant to all naturally occurring soil acids and alkalis, and biological deterioration.

Alpha Pinnacle Sdn Bhd has partnership with established manufacturers who commits to quality - from highest quality raw materials to the finished products which are rigorously tested to international standards, independently certified and site proven for various applications.

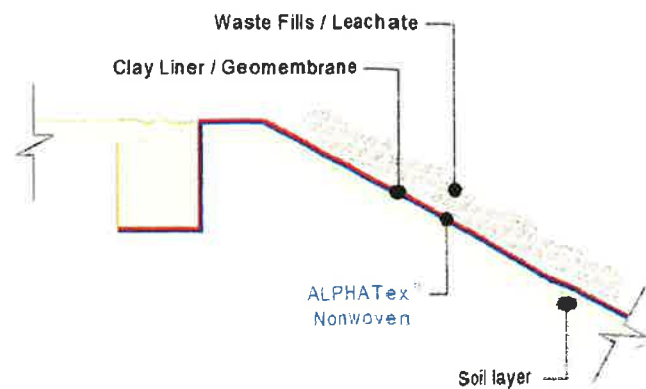
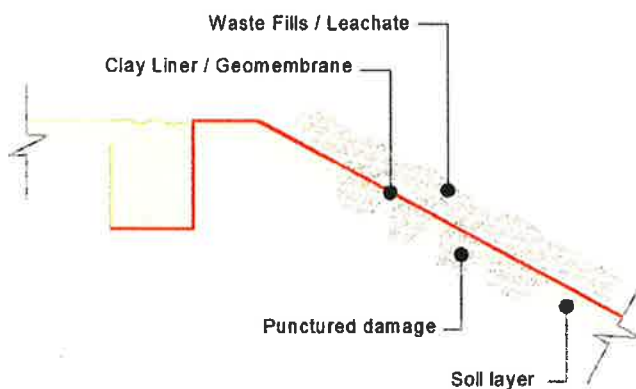


DRAINAGE, PROTECT

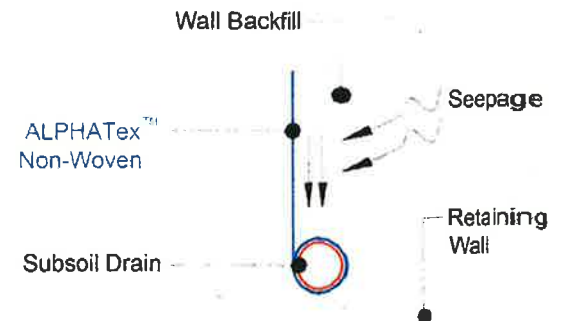
Key characteristics also serve many other functions common to projects

CUSHION AND PROTECT

In containment designs, cushioning geotextiles provide protection to the membrane or clay liner layers. Excellent puncture resistance minimizes impacts from aggregates and sharp objects during construction and also post-completion phase.

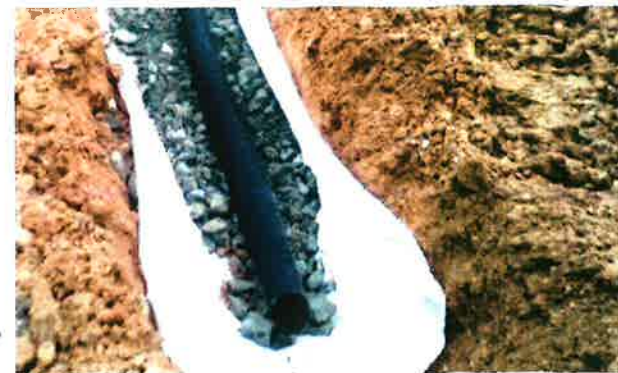
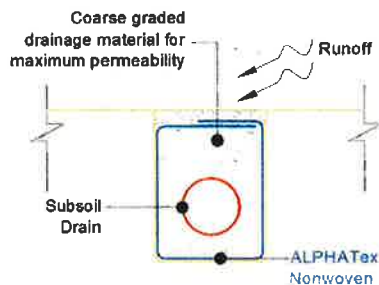
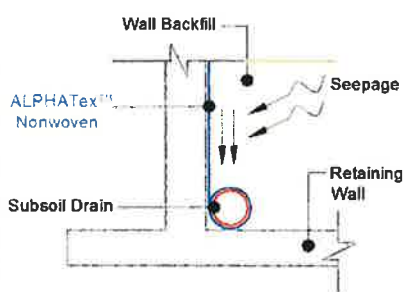


SLOPE DRAINAGE



Transmission of liquid in the plane of geotextile, prevents pore water pressure build-up at the backfill area.

SUBSOIL DRAINAGE



Please contact us to receive support to include this material in your project



TECHNICAL DATA

ALPHATex™ needle-punched nonwoven geotextiles are manufactured under ISO9001 quality assurance and made from 100% virgin polymer filaments

ALPHATex™ NW	Test standard Unit	NW9
Tensile strength	ISO 10319 kN/m	9
Elongation	ISO 10319 %	40
CBR puncture resistance	ISO 12236 N	1600
Dynamic perforation resistance	ISO 13433 mm	30
Grab strength	ASTM D4632 N	560
Grab elongation	ASTM D4632 %	50
Water permeability Water Flow at 50mm head	ASTM D4491 ℓ / (m ² s)	90
Apparent opening size	ASTM D4751 μm	260
Nominal mass	ISO 9864 gsm	130
UV resistance	ASTM D4355 %	70

Properties are typical values and correspond to average values derived from in-house and accredited lab testing. Tolerance for mechanical properties is +/- 10% and hydraulic properties is +/- 30%.

Information provided is intended as general guide and for selected grades only. Please contact us for more information. In line with a policy of continuous improvements or optimization, the information provided may change without notice.

Contact us, together we find better solutions

www.alphapinnacle.com

Enhancing
Sustainable
Development

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Alpha Pinnacle Sdn Bhd is an ISO-certified company

A member of IGS



CERTIFIED TO ISO 14001:2015
CERT.NO.:EMS 00876



CERTIFIED TO ISO 9001:2015
CERT.NO.:QMS 03447



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