AeroTex



Non-woven geotextile for Malaysian ground.

Product catalogue and technical data sheet for the AeroTex™ ATX series of needle-punched non-woven geotextiles. Our core grade, ATX20, is made from recycled PET at our own plant in Bandar Sri Sendayan, Seremban.

ATX20 – ATX80 7 grades, 130–400 gsm	**ATX20** Made in Malaysia, recycled PET	**2 m wide** ATX20 in 100 m and 250 m rolls	**From 1 roll** ATX20 ready stock, nationwide

The product

AeroTex™ geotextiles are synthetic fibres needle-punched into a strong, felt-like fabric that keeps its shape. The process gives an even spread of openings through the fabric, so water passes freely while soil particles are held back.

Grade	Description	Weight	Roll size	Origin
AeroTex™ ATX20	Needle-punched non-woven geotextile, white, recycled PET	130 gsm	2 m × 100 m 2 m × 250 m	MADE IN MALAYSIA
AeroTex™ ATX30 – ATX80	Needle-punched non-woven geotextile, white, heavier grades	150–400 gsm	4 m or 6 m wide see data sheet	IMPORTED

Grade names follow the TS numbering widely used in Malaysia (ATX20 is in the same weight class as TS20). ATX30–ATX80 are produced for AeroTex by a partner manufacturer to the specification on page 4. Full values are on the technical data sheet.

What it does

Placed between soft ground and stone or aggregate, AeroTex™ does four jobs at once.

Function	Description
Separation	Stops gravel and crusher run sinking into soft soil, so driveways, yards and roads keep their level.
Filtration	Lets water pass while holding back fine soil, so drains and planter outlets stay clear.
Drainage	The thick needle-punched structure carries water along the fabric as well as through it.
Protection	Heavier grades cushion pond liners and membranes against stones and roots.



AeroTex™ ATX20 wrapping the stone around a perforated pipe in a French drain.

Where it is used





Landscape

Keeps soil in place and weeds down under stone, pebbles and planting, while rain drains away.

- Pebble gardens and side yards
- Planter boxes and garden beds
- Under turf and artificial grass
- Park footpaths and paver walkways

Construction

Separates soft subgrade from aggregate and protects drains on building and earthworks jobs.

- House compounds and driveways
- Warehouse yards and car parks
- French, subsoil and slope drains
- Farm and estate roads

Choosing a grade

Heavier grades are thicker, stronger and more puncture resistant. Most garden and drain jobs use ATX20.

130–190 gsm

ATX20 ATX30 ATX40

ATX20: made in Malaysia

- Pebble gardens, side yards
- Planter boxes, garden beds
- Under turf and artificial grass
- Wrapping subsoil drains

210–250 gsm

ATX50 ATX60

- House compounds under crusher run
- Warehouse yards, car parks
- Slope drains and channels
- Farm and estate roads

350–400 gsm

ATX70 ATX80

- Cushion under pond liners
- Protecting geomembranes
- Separation on very soft ground
- Heavy-traffic haul roads

TECHNICAL DATA SHEET

AeroTex™ ATX series

Needle-punched non-woven geotextile

AeroTex

Property	Standard	Unit	ATX20	ATX30	ATX40	ATX50	ATX60	ATX70	ATX80
MECHANICAL									
Tensile strength (MD / CD)	EN ISO 10319	kN/m	**9.5**	11	14	15	19	24	28
Elongation at maximum load	EN ISO 10319	%	**50**	50	50	50	50	50	50
CBR puncture resistance	EN ISO 12236	kN	**1.55**	1.75	2.20	2.40	2.95	4.00	4.30
HYDRAULIC									
Characteristic opening size O_{90}	EN ISO 12956	mm	**0.12**	0.10	0.10	0.10	0.09	0.09	0.08
Water flow normal to plane (Δh 50 mm)	EN ISO 11058	l/m²/s	**115**	105	90	85	72	55	50
PHYSICAL									
Mass per unit area	EN ISO 9864	g/m²	**130**	150	190	210	250	350	400
Thickness at 2 kPa	EN ISO 9863-1	mm	**1.2**	1.5	1.7	1.9	2.2	2.9	3.2
SUPPLY									
Roll width	–	m	**2**	4 / 6	4 / 6	4 / 6	4 / 6	4 / 6	4 / 6
Roll length	–	m	**100 / 250**	225	200	175	125	100	100
Origin	–	–	**Malaysia**	Imported	Imported	Imported	Imported	Imported	Imported

ATX20 · RAW MATERIAL

Recycled polyester (rPET) staple fibre with low-melt binder fibre, from GRS-certified suppliers

ATX20 · MANUFACTURE

Carded, cross-lapped, needle-punched and thermally calendered in Seremban, Malaysia

ALL GRADES · FORM

White · rolls on core, wrapped and labelled with grade, size and batch

Notes

1. All values are typical values. Property tolerances: mechanical ±10%, hydraulic ±30%.
2. MD = machine direction; CD = cross-machine direction. Tensile strength applies in both directions.
3. ATX20 is stocked in 2 m × 100 m and 2 m × 250 m rolls. ATX30–ATX80 are supplied to order; lead time on request.
4. Test reports for each grade are available on request.

The information in this data sheet is given in good faith and is correct to the best of our knowledge. It does not constitute a warranty; the user is responsible for confirming the product is suitable for the intended use. AeroTex reserves the right to change specifications without notice. Edition: October 2026.

Laid by our customers

Real AeroTex™ jobs across Malaysia.



Farm road



Side yard



Planter box



Slope drain



House compound



Paver walkway

Installation

- Clear and level the ground; remove sharp stones and roots.
- Roll the fabric out flat, without wrinkles, directly on the prepared surface.
- Overlap adjacent rolls by at least 300 mm (500 mm on soft ground).
- Pin with U-pegs where needed and cover with stone or soil as soon as practical.
- Do not drive plant directly on uncovered fabric.

Storage and handling

- Store rolls off the ground, in a dry place, in their original wrapping.
- Keep out of direct sunlight until installation; cover within the same work period.
- Lift with a core bar or forklift; do not drag rolls over rough ground.
- Each roll is labelled with grade, width, length and batch number.

Why buy from AeroTex

Made in Malaysia	ATX20 is produced at our plant in Seremban. No import wait, no container minimum.
Ready stock	ATX20 on the floor. Klang Valley and Negeri Sembilan within days.
Full grade range	Heavier grades ATX30–ATX80 supplied to order, to the same data sheet.
Recycled PET	ATX20 uses recycled fibre from GRS-certified suppliers.



AeroTex

Talk to the plant.

Send your grade, quantity and job location on WhatsApp. We reply with a price and delivery date. Samples and test reports on request.

Manufacturing plant

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