



Description

GEOTEXTILE is a non woven geotextile that produced needle punched technology and thermally treated as to be separator and protector material. GEOTEXTILE is produced short cut polyester or polypropylene staple fiber.

Fields of Application

- GEOTEXTILE is using as reduce settlement of weak soil, stabilization of earth and formation of non-linear local settlements.
- GEOTEXTILE has to be overlap underneath the geotextile corner of edge minimum 25 cm to a void sliding while backfilling process.
- Protection of waterproofing board on roofs and terraces.
- Protection of external thermal insulation board on roofs or terraces.
- Protection of liquid waterproofing membrane on roofs or terrace or balconies.
- Protection of waterproofing liner as PVC, TPO, LLDPE, or HDPE on water tanks or pools.
- Protection of thin screed and topping concrete layer. Features and Benefits
- Made by pure stable fibers.
- Needled homogenously and properly.
- Needling number and frequency are adjustable.
- Line speed is adjustable.
- Fiber length and size (denier / diameter) are adjustable.
- Thermal treatment temperature is adjustable.
- Thermal treatment roll pressure is adjustable.
- Fiber blend and mixing and crimp are adjustable.
- Produces up to 6 meter width and 500 meter length

Product	Weight g/m ²	Thickness mm	Tensile Strength		Elongation Strength		Static Strength TS EN ISO 12236	Dynamic Force TS EN ISO 13433	Water Penetration		Porous Size TS EN ISO 12956
			MD	CMD	MD	CMD			TS EN ISO 10319	TS EN ISO 10319	
			TS EN ISO 9864	TS EN ISO 9863-1							
1000	100	1,00	5	6	50-80	50-80	800	30	0,100	100	0,14
1500	150	1,30	6	7	50-80	50-80	1500	28	0,090	90	0,14
2000	200	1,50	8	10	50-80	50-80	2000	26	0,080	80	0,13
2500	250	1,80	11	13	50-80	50-80	2500	24	0,070	70	0,13
3000	300	2,00	13	15	50-80	50-80	3000	20	0,060	60	0,12
3500	350	2,30	17	19	50-80	50-80	3400	16	0,050	50	0,12
4000	400	2,60	19	21	50-80	50-80	3800	12	0,042	42	0,11
4500	450	3,00	21	23	50-80	50-80	4300	8	0,035	35	0,11
5000	500	3,30	23	25	50-80	50-80	4800	4	0,030	30	0,10
6000	600	4,00	27	29	50-80	50-80	5500	3	0,025	25	0,10
7000	700	4,70	31	33	50-80	50-80	6000	2	0,020	20	0,09
8000	800	5,40	35	37	50-80	50-80	6500	1	0,015	15	0,09
9000	900	6,10	39	41	50-80	50-80	7000	1	0,010	10	0,08
10000	1000	6,80	43	45	50-80	50-80	7500	1	0,005	5	0,08
11000	1100	7,60	47	46	50-80	50-80	8000	1	0,003	3	0,08
12000	1200	8,30	51	53	50-80	50-80	8500	1	0,002	2	0,08

Application Procedure

Application Method

GEOTEXTILE must be applied on ready surface tightly and properly in order to assure full surface contact without any flexion. GEOTEXTILE has to be overlap underneath the GEOTEXTILE corner or edge minimum 25 cm to avoid sliding while backfilling process.



Packaging

Width: 1 m to 6 m

Weight: 100 to 1200 gr/m²

Length: 25 m or more

Color: White, black, grey, mixing color

Shelf Life

Unlimited shelf life in proper storage conditions.

Storage

The materials must be stored on smooth surface and indoor spaces. Protect from direct sunlight, extreme hot and moist. Material must be kept away from heat and flammable materials.