izofalt yalıtım

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GEOTEXTILE FELT TECHNICAL SPECIFICATIONS

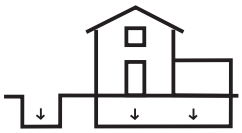
GEOTEXTILE FELT DESIGNED FOR PROTECTING INSULATION

DESCRIPTION FOR IT

Geotextile felt is a non-woven material used in many areas, including as a carrier to prevent cracking between insulation layers, separating water and heat insulation layers, protecting insulation, draining excess water, preventing clogging of drainage pipes, preventing subsidence in roads and railways, and much more.

AREAS OF USE

In liquid insulation applications, it is used as a carrier between layers and prevents cracks in the ground from penetrating to the insulation surface. It is used to protect bituminous membrane and geomembrane applications in foundations. It is used as a separator between water and thermal insulation layers. It is used by wrapping it around drainage pipes in foundations, as a filter layer in terrace gardens, and as a pressure distributor under road pavements.



ADVANTAGES

Due to heat treatment, it exhibits greater strength and less elongation at the same weight. The alternative to be used according to the project design offers the following advantages: capacity to produce monolithic products up to 2 meters wide, economical solutions, superior strength and performance in applications exposed to concrete, the use of PP fiber in production, maintaining sufficient thickness under pressure, resistance to the chemical properties of water and soil when considered over a long period, high permeability perpendicular to and parallel to the geotextile surface, isotropic structure, resistance to acids, alkalis and microorganisms, and easy transport and deployment.

APPLICATION METHOD

Completely remove stones, tree roots, and sharp objects from the surface to be covered. Fill in holes, level bumps, and compact the ground. If possible, avoid laying the felt on excessively muddy or waterlogged surfaces. Lay the felt tautly but without excessive stretching, ensuring it doesn't wrinkle (fold). Leave at least 30-50 cm of overlap at the joints of the rolls. Place sandbags or stones at regular intervals to prevent the material from being blown away by the wind. On sloping terrain, begin laying from top to bottom. The top layer of felt should overlap the bottom layer.

STORAGE SHELF LIFE

Must be transported and stored horizontally. Our product should be stored in covered warehouses with flat floors. Care should be taken to prevent the rolls from receiving hard impacts during loading, unloading, or transportation. It should be stored in its original packaging, protected from rain, in a dry environment, away from direct sunlight, at temperatures between +5°C and +25°C.

TOOLS USED

Utility Knife - Industrial Scissors - Measuring Tape and Laser Measuring Tape - Geotextile Sewing Machine - Hot Air Gun

TECHNICAL SPECIFICATIONS

STANDARD TSE K 55

TECHNICAL SPECIFICATIONS	UNIT	STANDARD	VALUE					
PRODUCT	gr		150	200	250	300	400	500
THICKNESS	mm	TS EN 1849-1	1.41	2.42	2.58	3.21	4.2	5.3
WIDTH	m	TS EN 1849-1	2	2	2	2	2	2
UNIT WEIGHT	gr/m²	TS EN 1849-1	150	200	250	300	400	500
TENSILE STRENGTH (WIDTH)	N/5 cm	TS EN 1231-2	125	152	160	250	280	350
ELONGATION AT BREAKAGE (WIDTH)	%	TS EN 1231-2	40	40	40	40	40	40
TENSILE STRENGTH (LENGTH)	N/5 cm	TS EN 1231-2	110	125	130	135	165	210
ELONGATION AT BREAKAGE (LENGTH)	%	TS EN 1231-2	55	55	55	55	55	55
STATIC PUNCTURE	N/5 cm	ASTM D6241	155	260	365	500	875	1000
COLOUR			GRAY					

WARNINGS AND RECOMMENDATIONS

UV (Sunlight) Protection

Geotextile felts are sensitive to UV rays. They must be covered within 7-14 days of being laid. Always store rolled felts in their original packaging in shaded areas away from direct sunlight.

Material Dispensing and Machinery Use

Never allow machinery (excavators, trucks, etc.) to drive directly on the felt. When dispensing backfill material (gravel, stone, soil) onto the felt, do not drop the material from a very high height (maximum height of 1 meter). Create a protective backfill layer of at least 15-20 cm thick on the felt to allow machinery to pass.

Damage Inspection and Repair

Before backfilling, check the felt for tears or holes. Cover the damaged area with a new piece of felt (patch) that extends at least 50 cm on all sides of the hole. In large projects, secure overlaps by heating (using a hot air torch) or sewing.

LEGAL DISCLAIMER

İZOFALT Insulation Construction Textile Ind. And Trade Ltd. Co. İs not responsible for application errors that may occur if the product is used for purposes other than intended or if the above conditions are not complied with.