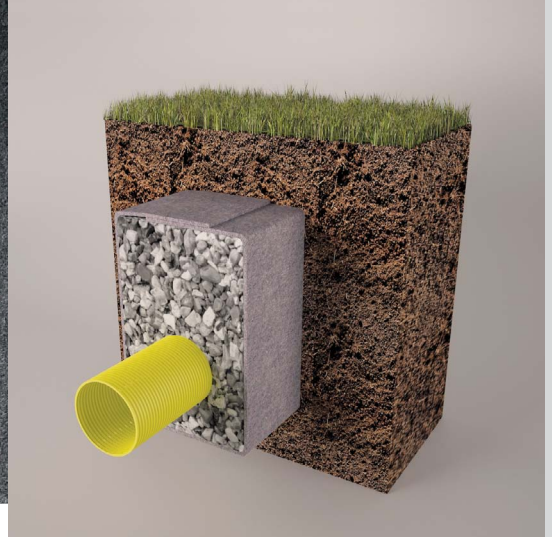
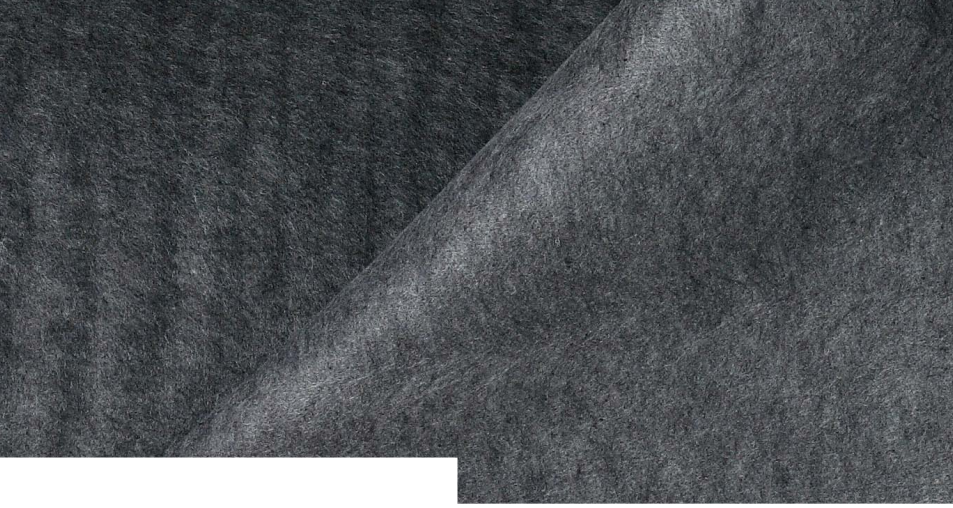




# **IzoTeknik** Filter

**IzoTeknik Filter** is a nonwoven textile product produced in dark color by method of needling of pure polypropylene much thinner than millimeter or pure polyester based fibers as filtration material. It is manufactured in two versions, TYPE A and TYPE B, suitable to the details where it is used as filtering material.



# **IzoTeknik** Filter

## **FIELDS OF APPLICATION AND USAGE**

**IzoTeknik Filter** is used as in-between filter material for the engineering applications where coarse and fine materials are used together to prevent the fine material from blocking pores of the other material or avoid formation of wash-away phenomenon. In order to prevent slippage of the geotextile during the filling process, it should be applied below the previous geotextile with an overlap of 25cm minimum.

Recommended as filtering and bearing material for control and direction of the water effectively, **IzoTeknik Filter** white and nonwoven geotextile material is used in the following areas.

- French drains
- Green-roof drainage
- Perforated pipe covering
- Vertical applications such as tunnel and retaining wall, and
- Seaside structures.

## **ADVANTAGES**

- It is produced by use of pure fiber.
- It has such a structure as to ensure homogenous distribution of the fibers thanks to frequent needling and superior production technology.
- Quick application advantage with minimum overlapping and labor saving over large areas thanks to production up to 6m in width.

Produced from pure polypropylene or pure polyester fiber, **IzoTeknik** nonwoven geotextiles are used for buildings, transportation structures, tunnels, dams and irrigation canals, ponds, solid waste storage area constructions and playfields for separation, filtration and protection purpose.

## **PACKAGING AND STORAGE**

Materials are shipped in rolls, 1 – 6m in width and 100 – 200 m in length.

Materials should be stored on flat floor and indoor. No smoking in the storage area. The products should be stored away from direct sunlight and heating and combustible sources.

## **TECHNICAL SPECIFICATIONS**

SPECIFICATIONS	STANDARD	UNIT	TYPE A	TYPE B
Water Permeability	TS EN ISO 11058	m/sn	0,11	80
		L/m <sup>2</sup> sn	110	0,08
Characteristic Clearing	TS EN ISO 12956	mm	0,16	0,13
Tensile Strength (MD)	TS EN ISO 10319	kN/m	3	9
Tensile Strength (CMD)			4	11
Elongation at Break (MD)	TS EN ISO 10319	%	50-80	50-80
Elongation at Break (CMD)			50-80	50-80
Dynamic Perforation	TS EN ISO 13433	mm	35	26

Roll Packing

