## **IMP GROUP IN EUROPE**







More than 30 yeras INDUSTRIE MAURIZIO PERUZZO GROUP has been in the geotextile-related business supplying materials for wide range of applications in construction industry. Since 2007 the production of geotextiles has been located in Polish-based production plant belonging to the IMP Comfort – in <u>Świdnica /40</u> <u>km from Wrocław/</u>.

•Świdnica

# Geotextiles



<u>Geotextiles GEOTESS TC/PP</u> – needled-punched non-wovens on the basis of PP fibre of high tenacity, widly used in civil, hydraulic and environmental engineering - for reinforcment, filtration and separation applications. They are free of any toxic agent or resins what makes them environmental friendly – being at the same time alkali resistant.





<u>GEOTEXTILES</u> in order to improve mechanical parametres of soil are laid below or between soli layers – thus absorbing dynamic tensile forces resulting from exploitation of roads, airports or railways



### **GEOTESS TC/PP – SEPARATION**



**Geotextiles** are used as the separation layer between different soil – grades or aggregates as well as supporting layer under geowebs or geogrids. <u>Commonly applicated during embankments reinforcment works as well as</u> <u>dumping facilities construction. Is used as protection of geomembrans</u> <u>against mechanical injury.</u>



## **GEOTESS TC/PP – funkcja FILTRACYJNA**



<u>Geotextiles</u> prevent mixing of soil particles, enabling at the same time the free passage of water and gasses. Soil migration weakens the load – bearing parameters and can lead to ground subsidence. This functions of GEOTESS is widely used in hydraulic engineering – in construction of dams, artificial lakes or river banks.



### **Geotess - APPLICATION**





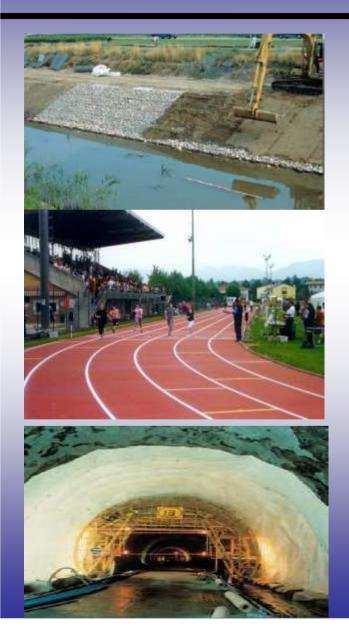
## **<u>ROAD CONSTRUCTION</u>** – for soil reinforcement and separation of different layers of ground

#### **RAILWAY CONSTRUCTION** – to ensure tracks stability and correct geometry

**DUMPS CONSTRUCTION AND FOUNDATIONS**– to ensure protection of geomembrane against mechanical injury. In addition GEOTESS serves for drainage of fluids and gasses on the dumping sites.

#### <u>Geotess – ZASTOSOWANIE</u>





#### WATER BASINS CONSTRUCTION – for soil reinforcement and water filtration

#### DRAINAGE SYSTEMS, PAVEMENTS, SPORT FACILITIES - in order to prevent

mixing of different layers of soil

**TUNNEL CONSTRUCTION** – for reinforcemnet and soil stabilization

## CERTIFICATES



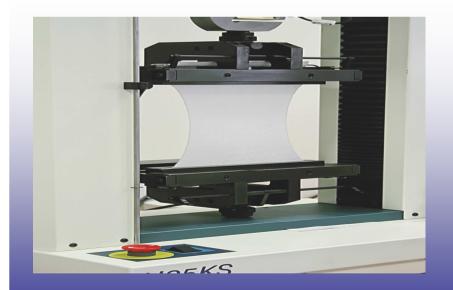
## GEOTESS TC/PP IS PRODUCED IN ACCRODANCE WITH CE PROCEDURES

GEOTESS – RELATED PRODUCTS ARE AVAILABLE IN WIDE RANGE OF GRAMMATURE IN BALES UP TO 100 M LONG AND WIDTH : 1,5m; 2,0 m; 3,0 m; 6 m.





## IN ORDER TO OFFER THE NEW AND ENHANCED SOLUTIONS IN GEOTEXTILES WE HAVE OUR OWN LABOLATORY FACILITIES AND COOPERATING WITH MANY RESEARCH CENTERS IN POLAND AND EUROPE – for example UNDER VI FRAMEWORK PROGRAMME OF UE - FLEXIFUNBAR





## NEEDLED-PUNCHED NON - WOVENS



## <u>GEOTESS-RELATED PRODUCTS ARE USED WHEN THE</u> <u>PROFESSIONAL CONSTRUCTION APPLICATIONS ARE</u> <u>REQUIRED – i.e. IN CIVIL AND HYDRAULIC ENGINEERING</u> <u>However reinforcement or stabilization properties are useful for</u> <u>every owner of house or lawn.</u>

NEEDLED-PUNCHED NON-WOVENS – is the product which supplements the offer of IMP Comofrt with regard to geotextiles used in gardening and one-family houses sector. They are produced according to the technical requirements of IMP Group – developed over the 30 years of hands-on experience in this sector – on the basis of PP or PES fibre. The needled-punched non-wovens do not have to comply with high technical requirements of road or railway construction industry. They technical properties are sufficient to be used in gardening or one-family house sector.

## **NEEDLED-PUNCHED NON WOVENS**





### NEEDLED-PUNCHED NON WOVENS can filter water, reinforce and stabilize: pavements, paths or other pedestrian passages



**NEEDLED-PUNCHED NON WOVENS** can serve as the perfect material for construction of GREEN ROOFS.

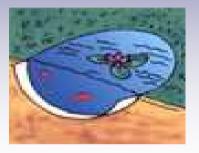


**NEEDLED-PUNCHED NON - WOVENS** are recommended

to be used in gardening for acceleration of plants vegetation.

## **NEEDLED-PUNCHED NON WOVENS**





#### **NEEDLED-PUNCHED NON WOVENS** serve as

protection of foils of water basins and swiming pools against puncture.



NEEDLED-PUNCHED NON WOVENS filter water, separate aggregate around drainage systems or sewage facilities.



NEEDLED-PUNCHED NON WOVENS thanks to thier properties are perfect material for construction of terraces or driveways.