

# ULTRAL NG2<sup>Series</sup>

## GEOTEXTILE • Non woven material (PET)

### Drainage • Filtration • Separation

**ULTRAL NG2** non woven Geotextile is manufactured from continuous polyester filaments which are needle punched to form a structured sheet. NG2 Geotextile can be used for drainage, filtration or soil separation applications. NG2 Geotextile are chemical resistant in all naturally occurring soil alkalies and soil acids (i.e. to acids of pH \* 2). NG2 Geotextiles are also biologically resistant to bacteria and fungi. All ULTRAL NG2 rolls are delivered to site in polyethylene wrappers and should remain in these wrappers until it is to be used.

**USES:** Drainage, reinforcement and filtration applications in construction and related industries. Can enhance water quality when used as part of a source control Sustainable Drainage System and eliminate the need for end of line petrol/oil interceptors.

**APPLICATION:** NG2 Geotextile is suitable for use in a range of applications including residential, industrial estates, swales, sports pitches, car parks, roofs, basements, pedestrian areas and rainwater harvesting. Refer to Organix technical services for advice on specific applications.

**PERFORMANCE:** NG2 Geotextile comprises a proprietary blend of polyester fibers that incorporate hydrophilic (water attracting and oil repellent) and hydrophobic (oil attracting and water repellent) properties to achieve superior oil retention. NG2 Geotextile is capable of retaining oil contamination ranging from daily car drip losses up to catastrophic spillages, i.e. originating from car oil-sump failures. The entrapped hydrocarbons are biodegraded by naturally occurring micro-organisms providing a self cleansing mechanism

Geotextile major functions are separation, reinforcement, filtration, drainage, and their combinations.

1. Due to high tensile strength, the material can bear considerable loads and perform reinforcement function at relatively low deformations;
2. Local damage does not lead to the material destruction and it continues its performance due to higher elongation (depending on the density of the material-up to 45%);
3. Universal filtering property due to specific material structure excludes the embedding of soil particles into cells and their bridging, thus providing stability of the material filtering quality under soil pressure and intense vibration;
4. High tear and puncture resistance makes simplifies installation considerably;
5. UV resistant, produces no by-products, ecologically clean material.

Manufacturing standard: All products manufactured by Aggregate Industries are produced in accordance with ISO 9001 with factory compliance to ISO 14001

**PACKING:** Roll Width: 3metre; Roll Length: 100metre.



engineered to perform

#### THE MOST ADVANCED GEOSYNTHETIC

Our line of NG2 nonwoven products include subsurface drainage fabrics, separation fabrics, stabilization fabrics and fabrics for erosion control and cushioning. Whether used in roadways, railroads or landfills, our nonwoven Geosynthetic solutions can add years to the life of your project.

## ULTRAL NG2 Series Non-Woven Geotextile (PET) SPECIFICATION

Properties	Test Method	NG210	NG213	NG220	NG230	NG240
Mass per Unit Area, g/m <sup>2</sup>	ASTM D 5261	100	120	200	300	400
Tensile Strength, KN/m	ASTM D 4632	4.6	5.4	8.8	15	17.4
Elongation, %	ASTM D 4632	50	52	56	56	56
Puncture Resistance, N	ASTM D 6241	194	250	430	700	1000
Tear Strength, N	ASTM D 4533	200	220	290	435	554
Flow Rate (10cm Head)	mm	240	200	100	80	55
Water permeability	10 <sup>-3</sup> ms <sup>-1</sup>	94	88	74	55	48
Transmissivity (2KN/m <sup>2</sup> )	mm	100	120	170	190	220
UV Resistance %	ASTM D 4355	60	60	60	60	60

Notes: ORGANIX can customize the product to fulfill different project requirement. If you require more detail information, please feel free to contact us directly at [support@organixbs.com](mailto:support@organixbs.com). We'll be pleased to provide our best assistance. ORGANIX commitment to innovation, our focus on quality and our industry expertise allow us the flexibility to collaborate with our clients to develop a custom, purpose-fit solution.

