

Non-woven Geotextile for use with Tufflon P80 polyurea

PRODUCT DESCRIPTION Geotuff 220 is an Australian made, non-woven, staple fibre geotextile, specifically manufactured for Liquimix. Optimum thickness, weight, strength and surface profile ensures the best outcome when used with Tufflon-P80 polyurea to form a tough, impenetrable, monolithic and permanently elastomeric lining that seals over impossible substrates such as dirt, sand, clay, road base and broken concrete etc. Geotuff 220 has been heat treated on one side to minimise “fluffing” during installation which minimises “wicking” and guarantees high bond strength with Tufflon-P80. Unlike HDPE, the Geotuff / Tufflon P80 system won’t buckle during the heat of the day, thereby reducing trip hazards and improving aesthetics. Of the Tufflon range, P80, with its unique fast early cure and negligible shrinkage is the polyurea of choice for use with Geotuff 220.

INTENDED USES

- For use with Tufflon-P80 polyurea applied to either side of the Geotuff 220.
- Secondary containment (bunding) both chemical and petroleum storage facilities where difficult substrates are encountered
- For use around protrusions such as pipes, support legs, stands and difficult angles and compound curves where HDPE would struggle to offer a tight seal
- Ponds where the system conforms easily to complex shapes and curves. Safe for use with fish and plants.
- Open drains and culverts, especially where complex shapes make it difficult to use HDPE
- Geotuff 220 can be pre-sprayed with Tufflon P80 either at site or in a factory and the panels installed and joined using Tufflon P80 to form a seamless lining. This method is particularly useful for difficult access areas
- Liquimix offers Application Guidelines and Specifications for many different Intended Uses

FEATURES

- Good thermal stability resists expansion and contraction. This feature prevents the lining from buckling in hot weather
- Easy to pin and secure to any substrate using proven Liquimix design
- Top side heat sealed to reduce “fluffing” during installation and ensure high Tufflon P80 adhesion
- Easily joined using Tufflon-P80 to form an invisible join and seamless, monolithic lining that won’t split or crack

PRODUCT DATA	Strength Class	A
	Grab Tensile Strength (kpa)	> 500
	Trapezoidal Tear Strength (kpa)	> 180
	G Rating (kpa)	> 900
	Thickness (mm)	1.7
	Mass (g/m2)	220

LIMITATIONS

- Non-Trafficable if Tufflon P80 applied at < 7mm DFT
- Trafficable if Tufflon P80 applied at > 7 mm DFT
- Geotuff 220 requires care when being walked on prior to application of Tufflon P80

Geotuff 220

APPLICATION	Refer to specification document prepared by Liquimix for installation method of Geotuff 220 and Tufflon P80 system. Remove all stones, loose debris and protrusions prior to installation.
--------------------	--

EQUIPMENT	Suitable equipment for handling rolls of Geotuff	Forklift with attachment designed for moving and handling heavy rolls on site
	Pins and nailing methods as per specification	Nailing or screw hand tools suitable for fixing Geotuff on various substrates
	Graco Reactor plural spray equipment for application of Tufflon P80	Plural component equipment such as Graco XP or XM that automatically meters, mixes and sprays Metalox – GC450.
	Follow application guidelines.	Installation by experienced applicators only

COMPATIBILITY	Suitable for use on almost all substrates	Geotuff 220 Tufflon P80 and fire resistant and antistatic grades
----------------------	---	---

TYPICAL SYSTEM	Substrate	Environment	Substrate Prep	Coat	System	DFT
	Road base, Clay, Sand, Concrete	External	Remove loose stones, debris etc and then compact with vibrating roller		GeoTuff	
				1 st Coat	Tufflon P80	3000µm

STORAGE & HANDLING	Store in dry, shaded conditions away from sources of heat and ignition. Protect from heat and frost.
-------------------------------	--

PACK SIZE	Geotuff 220 is available in various widths and lengths to suit each application. Typically can be supplied in 2m, 4m or 6m widths and in 50m, 100m, 250m lengths. Smaller widths and lengths are better for small, complex areas. Larger widths and lengths are better for large open areas.
------------------	--

HEALTH & SAFETY	Geotuff 220 / Tufflon P80 system is for professional use only. These products should not be used without consulting the relevant Safety Data Sheets first. Observe all health and safety as well as environmental legislation.
----------------------------	--

NOTICE	<i>The information contained herein is offered without charge and is for use by technically qualified personnel at their own risk. All statements, technical information and recommendations contained herein are based on tests and data which we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and no warranty of any kind is made with respect thereto.</i>
---------------	--