

# Declaration of Performance


DoP n°: Drefon ST 400 - 2014.09.01

## 1. Product Name and 2. Product Type

### Drefon ST 400

100% Polypropylene Nonwoven Geotextile

## 3. Intended use

For	Application	Functions	For	Application	Functions
Roads		Filtration Separation	Reservoirs and dams		Filtration Separation Protection
Railways		Filtration Separation	Canals		Filtration Separation Protection
Foundations and walls		Filtration Separation	Tunnels		Protection
Drainage systems		/	Solid waste disposals		Filtration Separation Protection
Erosion control		Filtration Separation	Liquid waste disposals		Filtration Protection

## 4. Registered trade name



## 5. Contact address

Via Fontoli, 10 - 36020 Valstagna - Italy  
Tel: +39 0424 99896 - Fax: +39 0424 99827  
www.manifatturafontana.net

## 6. AVCP

System 2+

## 7. Notified body

1213

EN 13249:2014    EN 13250:2014    EN 13251:2014    EN 13252:2014    EN 13253:2014  
EN 13254:2014    EN 13255:2014    EN 13256:2014    EN 13257:2014    EN 13265:2014

Notified body SKZ – TeConA GmbH (identification no. 1213) performed the initial inspection of the manufacturing plant and of factory production control (FPC) and the continuous surveillance, assessment and evaluation of FPC and issued the certificate of conformity of the FPC n° 4191.

## 8. Declared performance

Essential characteristics	Performance						Standard	Harmonised Technical Specifications
		Mean value		Tolerance				
Tensile strength	CMD	34,0	kN/m	-3,0	kN/m	EN ISO 10319	EN 13249:2014	
	MD	33,0	kN/m	-3,0	kN/m			
Elongation at maximum load	CMD	75	%	± 15	%	EN ISO 10319	EN 13250:2014	
	MD	70	%	± 14	%			
Static puncture (CBR test)		5.500	N	-550	N	EN ISO 12236	EN 13251:2014	
Dynamic perforation (Cone drop test)		11,0	mm	2,0	mm	EN ISO 13433		
Pyramid Puncture		400	N	-40	N	EN 14574	EN 13252:2014	
Characteristic opening size		65	µm	± 15	µm	EN ISO 12956	EN 13253:2014	
Water permeability normal to the plane		25	l/(s m <sup>2</sup> )	-8	l/(s m <sup>2</sup> )	EN ISO 11058		
Water flow in the plane	20 kPa, i=1	-	*10 <sup>-6</sup> m <sup>2</sup> /s	-	*10 <sup>-6</sup> m <sup>2</sup> /s	EN ISO 12958	EN 13254:2014	
Weathering resistance	To be covered within 1 month after installation						EN 12224	EN 13255:2014
Oxidation resistance	Durable in natural soil with pH < 4 or > 9 and soil temperature > 25 °C for a minimum of 100 year service life (EN 12225 e EN 14030 A/B)						EN ISO 13438 met A	EN 13256:2014 EN 13257:2014
Dangerous substances	Less than required by national regulations in EU Member States							EN 13265:2014

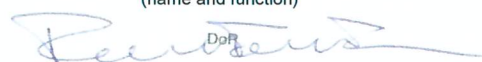
## 9. Declaration

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Francesco Fontana - Sole administrator  
(name and function)

Valstagna, 01.09.2014  
(place and date of issue)

  
(signature)