

# COLETANCHE NTP 1

## DESCRIPTION

→ COLETANCHE NTP 1 is an oxidised bituminous geomembrane with Ring and Ball melting point of 90°C (EN 1427)

## USE

→ Very low level of mechanical constraints (no risk of punching or tension), covered with top soil, for use as environmental protection and groundworks waterproofing, in particular :

- Ditches,
- To cover landfill,
- Waste tip covers of moderate height.

Product use must be validated by Axter.

## APPLICATION METHOD

→ Torched

## STORAGE

→ Rolls must not be stored directly on the ground. They must be supported on concrete blocks, trestles, or timber beams, min 35 cm height, placed under the mandrel ends.

## COMPOSITION (indicative)

Reinforcement (gm/m <sup>2</sup> ) :	Glass mat	50
Reinforcement (gm/m <sup>2</sup> ) :	Non-woven geotextile	200
Binder (gm/m <sup>2</sup> ) :	Oxidised bitumen	3700
Surface finish (gm/m <sup>2</sup> ) :	Sand	200
Under surface finish (gm/m <sup>2</sup> ) :	Polyester antiroot film	15

## CHARACTERISTICS

	STANDARD	UNITS	VALUES	Tolerance	
				Min	Max
Dimensions	EN 1848-1	Length	89.00	≥	
		Width	5.01	≥	
Thickness (on finished product)	EN 1849-1	mm	3.50	3.20	
Surface mass	EN 1849-1	kg/m <sup>2</sup>	3.90	3.50	
Resistance to tearing (nail shank)	EN 12310-1	Longitudinal	250	150	-
		Cross direction	300	200	-
Tensile properties : maximum tensile strength	EN 12311-1	Longitudinal	800	550	
		Cross direction	600	400	
Tensile properties : elongation	EN 12311-1	Longitudinal	55	40	
		Cross direction	55	40	
Flexibility at low temperature	EN 1109	Surface	0	≤	
		Under surface	0	≤	
Static Puncture	EN ISO 12236	Resistance	2	1.7	
		Move	mm	47	40
Water permeability (liquid tightness)	EN 14150	l/j/m <sup>2</sup>	<0.1		
Gas permeability (gas tightness)	ASTM D 1434	cm <sup>3</sup> /(m <sup>2</sup> .24h/atm)	<210		
Dangerous substances consult : <a href="http://europa.eu.int/comm/enterprise/construction/internal/dangsub/dangmain.htm">http://europa.eu.int/comm/enterprise/construction/internal/dangsub/dangmain.htm</a>					
<b>Durability</b>					
Oxidation	EN 14575	Tensile strength according to EN 12311-1	100	75	
		Maximum tensile strength Elongation	100	75	
Weathering	EN 12224	retained tensile strength	in progress	-	-
		Maximum tensile strength Elongation	in progress	-	-
Root penetration	EN 14416	-	Pass		

NA=not applicable due to use of product.  
NPD : No performance determined

*The manufacturer reserves the right to modify, at any time, the characteristics of its products.*