

COLETANCHE NTP 3

DESCRIPTION

COLETANCHE NTP 3 is an oxidised bituminous geomembrane with a Ring and Ball melting point of 90°C (EN 1427)

USE

High level of mechanical resistance (punching materials, thick covers, important pressure conditions), for use as environmental protection and groundworks waterproofing, in particular :

- Dams,
- Reservoirs,
- Containment of liquid wastes,
- Contaminated land,
- Landfill.

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 ²) :	Glass mat	50
Reinforcement (gm/m ²) :	Non-woven geotextile	300
Binder (gm/m ²) :	Oxidised bitumen	4930
Surface finish (gm/m ²) :	Sand	217
Under surface finish (gm/m ²) :	Polyester antiroot film	15

CHARACTERISTICS

	STANDARD	UNITS	VALUES	Tolerance	
				Min	Max
Dimensions	EN 1848-1	Length	64.00	≥	
		Width	5.01	≥	
Thickness (on finished product)	EN 1849-1	mm	4.80	4.30	
Surface mass	EN 1849-1	kg/m ²	5.25	4.70	
Resistance to tearing (nail shank)	EN 12310-1	Longitudinal	350	250	-
		Cross direction	350	250	-
Tensile properties : maximum tensile strength	EN 12311-1	Longitudinal	1200	800	
		Cross direction	1000	700	
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	2.6	2.2	
		Move	47	40	
Water permeability (liquid tightness)	EN 14150	l/m ²	<0.1		
Gas permeability (gas tightness)	ASTM D 1434	cm ³ /(m ² .24h/atm)	<121		
Dangerous substances consult : http://europa.eu.int/comm/enterprise/construction/internal/dangsub/dangmain.htm		-	-	None	

Durability

Oxidation	Tensile strength according to EN 12311-1	Maximum tensile strength	EN 14575	%	100	75	
		Elongation			100	75	
Weathering	retained tensile strength according	Maximum tensile strength	EN 12224	%	in progress	-	-
		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.