

COLETANCHE NTP 4

DESCRIPTION

→ COLETANCHE NTP 4 is an oxidised bituminous geomembrane with a Ring and Ball melting point of 90°C (EN 1427)

USE

→ Extreme level of mechanical resistance (aggressive materials, reinforced precautions), for use as environmental protection and groundworks waterproofing, in particular :

- Railways, directly under ballast,
- Dams,
- Confinement of radioactive waste.

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	400
Binder (gm/m ²) :	Oxidised bitumen	7300
Surface finish (gm/m ²) :	Sand	200
Under surface finish (gm/m ²) :	Polyester antiroot film	15

CHARACTERISTICS

	STANDARD	UNITS	VALUES	Tolerance		
				Min	Max	
Dimensions	EN 1848-1	Length	54.00	≥		
		Width	5.01	≥		
Thickness (on finished product)	EN 1849-1	mm	5.60	5.10		
Surface mass	EN 1849-1	kg/m ²	6.25	5.60		
Resistance to tearing (nail shank)	EN 12310-1	Longitudinal	400	300		
		Cross direction	500	400		
Tensile properties : maximum tensile strength	EN 12311-1	Longitudinal	1400	1000		
		Cross direction	1300	900		
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	3.6	3.1		
		Move	47	40		
Water permeability (liquid tightness)	EN 14150	l/j/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 to EN 12226	Maximum tensile strength	EN 12224	%	100	75
		Elongation			100	75
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.