

# POLITES TNT

TNT cloth for the reinforcement with impregnation of liquid waterproofing.

Non- woven, needled and thermo-calendered geotextile with propylene fibres. It is resistant to UV rays and it improves the tensile strength as well as the punching of liquid waterproofing systems. *Polites TNT* has high dimensional stability, it is not toxic and it can be used in combination with many other products.

## BENEFITS

- Easy application.
- High mechanical strength.
- Maintain its features during time.
- Compatible with Diasen's liquid waterproofing systems.

## APPLICATIONS FIELD

The product is designed for the application as reinforcing armour in liquid waterproofing systems. *Polites TNT* is used for the renovation and the waterproofing of cracks of bitumen and slated membranes, new and old, in combination with *Acriflex Fybro* (see technical data sheet), *Acriflex Rapido* (see technical data sheet) or *SBS-gum* (see technical data sheet). *SBS-gum* + *Polites TNT* system replaces the traditional one with flame bituminous membrane.

*Polites TNT* is also used together with the waterproofing *Acriflex pH4* (see technical data sheet) to reinforce the waterproofing coat in the critical points (for example connecting points between different kind of materials) or to protect the waterproofing made with *Acriflex Antiroot* (see technical data sheet).

## YIELD

1 m<sup>2</sup>/m<sup>2</sup>

It is recommended to consider an overlapping of at least 3 cm (1.18 in).

## COLOR

White.

## PACKAGING

### Roll

Thickness: 0,55 mm (0.21 in).

Dimensions: 10,00 x 1,00 m (32.80 x 3.28 ft)

Area: 10,00 m<sup>2</sup>. (11.96 sq. yards)

Weight: 800 g. (1.76 lb)

## STORAGE

Store the product in the original packaging, in well ventilated areas, away from sunlight and ice, at temperatures between +5°C (+41°F) and +35°C (+95°F).

## PREPARATION OF THE SUPPORT

The surface should be carefully clean, dry, without debris or detaching parts. Concerning the preparation modalities of the support it is necessary to respect the suggestions described in the technical data sheet of the product which will be used in combination with *Polites TNT* (*Acriflex Antiroot*, *Acriflex Fybro*, *Acriflex pH4*, *Acriflex Rapido* or *SBS-gum*).



For application videos, product page, safety data sheet and other information.

## Armor - TNT

Whereas all indications and recommendations supplied herein are stated to the best of our experience and knowledge, they should be considered as indicative only and should be confirmed by exhaustive practical applications. Diasen doesn't know the peculiarity of the processing, or the characteristics of the support. Therefore the applicator should carry out preliminary tests, in order to verify the suitability to the foreseen application, and in any case he will take the responsibility of the intended use. In case of uncertainties or doubts, please contact the company's technical department, provided that this is only a simple assistance for the applicator: he should have the appropriate capabilities and experience in order to determine the more suitable solution. Always respect the latest update of the technical sheet available on [www.diasen.com](http://www.diasen.com).

# POLITES TNT

TNT mesh for the reinforcement with impregnation of liquid waterproofing.

## Technical Data

Feature		Units
Yield	1	m <sup>2</sup> /m <sup>2</sup>
Aspect	cloth	-
Color	white	-
Mass per area EN ISO 9864	80 ± 10%	g/m <sup>2</sup>
Thickness EN ISO 9863-1	0,55 ± 10%	mm
Application temperature	+5 /+35 +41/ +95	°C °F
Packaging	10,00 x 1,00 (32.80 x 3.28 ft) roll	M Ft

Final performances		Units	Legislation	Results
Broadband tensile strenght	4,00	kN/m	EN ISO 10319	-
Enlogation	50% ± 15	%	EN ISO 10319	-
Resistance to static punching	750	N	EN ISO 12236	-
Resistance to dynamic punching	43,00	mm	EN ISO 13433	-
Dimension of characheristic opening	100 ± 30	µm	EN ISO 12956	-
Normal permeability of the plane	0,090	m/s	EN ISO 11058	-
Drainage capacity in the plane 20 kPa – i = 1 100 kPa – i = 1 200 kPa – i = 1	4,50 · 10 <sup>-7</sup> 1,50 · 10 <sup>-7</sup> 1,00 · 10 <sup>-7</sup>	m <sup>2</sup> /s	EN ISO12958	-
Prevision of the minimum durability	-	-	-	25 years in natural land with 4 < pH < 9 and land temperature < 25°C (77°F).
Oxidation Resistance – Residual strenght	> 50%	%	EN ISO13438	-

\* The above data, even if carried out according to regulated tests are indicative and they may change when specific site conditions vary.

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## Bituminous membrane

Verify that the membrane has been applied for at least 6 months in order to avoid detachments.

Consider the installation of ventilation shafts on the membrane according to the humidity of the background. This precaution is necessary in case of absorbent supports that hold the humidity like lighten screed with polystyrene or expanded clay.

## APPLICATION

*Polites TNT* must be laid out on the surface after the first coat of waterproofing product and then covered with the second coat (sandwich system).

The joints between the cloths should maintain an overlapping of at least 3cm (1.18 in).

If applied for the protection of the waterproofing coat realised with *Acriflex Antiroot*, *Polites TNT* should be laid out at the end of the drying of the waterproofing.

### Localized renovation of bituminous membrane

1. Apply a first coat of product (*Acriflex Fybro*, *Acriflex Rapido* or *SBS-gum*) with roll, squeegee or airless. In case of rain on not perfectly dry product, verify the suitability of the next covering.
2. When the first coat is not completely dry, laid out *Polites TNT* maintaining an overlapping of 3cm (1.18in) on the joints. *Polites TNT* should not present any bubbles.
3. Apply a second coat of product (*Acriflex Fybro*, *Acriflex Rapido* or *SBS-gum*) and perfectly cover *Polites TNT*, avoiding holes on the surface.

### Waterproofing in replacement of bituminous membrane system

3. Apply a first coat of waterproofing with roll, squeegee or airless. In case of rain on not perfectly dry product, verify the suitability of the next covering.

1. When the first coat is not completely dry, laid out *Polites TNT* maintaining an overlapping of 3cm (1.18in) on the joints. *Polites TNT* should not present bubbles.
2. Apply a second coat of waterproofing and perfectly cover *Polites TNT*, avoiding holes on the surface

## SUGGESTIONS

- Do not apply at environmental temperature lower than +5°C (41°F) and higher than +35°C (95° F).
- During summer season apply the product in the cooler hours of the day.
- Do not apply with imminent threat of rain, ice, with strong fog or relative humidity higher than 70%.
- Follow the information described on the technical data sheet of the product which will be used in combination with *Polites TNT* (*Acriflex Antiroot*, *Acriflex Fybro*, *Acriflex pH4*, *Acriflex Rapido* or *SBS-gum*).

## CLEANING

*Polites TNT* does not leave any residues on the instrument used for the application.

Follow the information described on the technical data sheet of the product which will be used in combination with *Polites TNT*.

## SAFETY

While handling always wear personal protective equipment and follow the indications on the technical data sheet of *Polites TNT* and of the product which will be used in combination with it.



## Armor - TNT

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