

## Specification

<b>Material</b>	
Material for the plain sheet	Woven high-density polyethylene (HDPE) black fibers fabric laminated on both sides with white low density polyethylene (LDPE) coating.
Material for the reinforced attachment points	6 bands of 7.5cm width made of woven black HDPE fibers fabric and coated with grey LDPE on the outside. Position of the 6 bands as per drawing below.
<b>Strength at state of origin and after UV exposure</b>	
Tear strength in plain sheet at state of origin	Minimum 100N under ISO 4674-1 2003, strip of 200x200mm, in plain sheet
Tensile strength in plain sheet at state of origin	Minimum 500N and 15% to 25% elongation in warp and weft in plain sheet under ISO 1421-1.
UV resistance of the plain sheet, measured as remaining tensile strength after UV exposure	The tarpaulin tensile strength under ISO 1421-1 after 1500 hours UV under ASTM G53/94 (UVB 313 nm peak) must be: Minimum 80% of the original value of the actual product, <u>AND</u> not less than 475N. To be tested in the plain sheet.
Tensile strength in the reinforcement bands at state of origin	Minimum 700N inside the reinforcement bands as per ISO 1421-1, pulling lengthwise in a hole of 8mm with a hook of 8mm wire diameter, at 200mm from the end of the band.
UV resistance of the reinforcement bands measured as remaining tensile strength after UV exposure	The reinforcement bands tensile strength under ISO 1421-1 after 1500 hours UV under ASTM G53/94 (UVB 313 nm peak) must be: Minimum 80% of the original value of the actual product, <u>AND</u> not less than 665N. To be tested inside the reinforcement bands as described above.
Welding number and strength at state of origin	Only one welding allowed, in the middle of the sheet, lengthwise. The tarpaulin tensile strength crossways at the place of the welding under ISO 1421-1 must be: Minimum 50% of the original value of the actual product, <u>AND</u> not less than 400N.
<b>Size, weight, colour</b>	
Width	4 m $\pm$ 1% net width
Length	6m minimum net length for the tarpaulins 60m minimum net length for the rolls
Weight, plain sheet only, excluding the bands weight	180g/m <sup>2</sup> $\pm$ 30g under ISO 3801 (equivalent to 150g/m <sup>2</sup> minimum to 210g/m <sup>2</sup> maximum)
Weight, complete sheet including bands weight.	Plain sheet specific weight plus 10% additional weight for the reinforcement bands under ISO 3801. Total weight from 165g/m <sup>2</sup> minimum and 231 g/m <sup>2</sup> maximum Specific weight of the bands from 150g/ m <sup>2</sup> minimum and 200g/m <sup>2</sup> maximum

Colour	White sun reflective on both sides of the sheet. Grey coating on the outside of the bands. Inner black fibers to ensure opacity. <b>White Coating colour definition:</b> L.a.b Coordinates under ISO 105J01 Minimum L : 82 "a" value between -1.7 and +1.5 "b" value between -4.5 and 0
<b>Marking and packing</b>	
Printing	Continuous indelible printing in white colour of the manufacturer name, the month and year of production (Letters of 2.5cm high +/-10%). Length indicator marks every meter. Customer logo on request.
Bale dimensions (+/-10%)	Length x Width x Height: 600mm x 400mm x 180mm <u>OR</u> 800mm x 600mm x 150mm There must be 5 tarpaulins per bale
Bale marking	As per indicated in contract.
Bale protection	The bale must be wrapped with a piece of similar material as the one of the tarpaulins. The wrapping must be properly folded, closely tight to the bale content, making a well-shaped cubic bale. Inside the bales, the tarpaulins are not individually wrapped.
Bale strapping	The bale must be strapped with 2 heat-sealed plastic straps for the length and 2 for the cross.

