

## Application:

The Monarflex World Aid tarpaulin is a reinforced Virgin low density polyethylene (LDPE) Sheeting/tarpaulin sheet of 4 x 5/50 m for use in application in tropical and subtropical areas and everywhere needed. Shelters like tent with fixing through eyelets using toggles, ropes or the like.

## Properties:

The Monarflex World Aid tarpaulin 4 x 50 m multi-purposes reinforced sheeting which can be utilised in a variety of ways to alleviate problems following natural disasters and civil unrest to ensure a successful relief programme. Each roll of 50 m contains 10 individual 4 x 5 m tarpaulins.

| Product data                                                                                                                                                          |                                                                                                                                                                                                                                                                  |                            |             |                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------|-----------------------------------------------------------------|
| Built-up                                                                                                                                                              | Two layers of pigmented, UV-stabilised LDPE- film, encapsulating a multifilament reinforcement grid.<br>Film thickness nominal 250 my. Grid 12x12mm multifilament polyester high tenacity treads. Black Eyelets for fastening.<br>Brand film on customer Request |                            |             |                                                                 |
| Colour                                                                                                                                                                | White / green - other combinations on request                                                                                                                                                                                                                    |                            |             |                                                                 |
| Weight                                                                                                                                                                | Min. 260 g/m <sup>2</sup>                                                                                                                                                                                                                                        |                            |             |                                                                 |
| Application                                                                                                                                                           | Some of the many uses include Groundsheets, Refugee shelters, Waterproofing existing thatch shelters.                                                                                                                                                            |                            |             |                                                                 |
| Technical data                                                                                                                                                        | Unit                                                                                                                                                                                                                                                             | Value                      | Tolerance   | Test method                                                     |
| Length                                                                                                                                                                | M                                                                                                                                                                                                                                                                | 50,0                       | -0%; +1%    | EN 1848-2                                                       |
| Width                                                                                                                                                                 | Cm                                                                                                                                                                                                                                                               | 400                        | -0,5%+1,5%  | EN 1848-2                                                       |
| Thickness                                                                                                                                                             | Mm                                                                                                                                                                                                                                                               | 0,25                       | ± 5%        | EN 1849-2                                                       |
| Tensile strength                                                                                                                                                      | N/50 mm                                                                                                                                                                                                                                                          | MD 350                     | +/-50N/50mm | EN 12311-1                                                      |
|                                                                                                                                                                       |                                                                                                                                                                                                                                                                  | CD 350                     | +/-50N/50mm | EN 12311-1                                                      |
| Elongation at break                                                                                                                                                   | %                                                                                                                                                                                                                                                                | MD 15                      | +/- 5%      | EN 12311-1                                                      |
|                                                                                                                                                                       |                                                                                                                                                                                                                                                                  | CD 15                      | +/- 5%      | EN 12311-1                                                      |
| Tear resistance                                                                                                                                                       |                                                                                                                                                                                                                                                                  | Min. 200 N                 |             | ASTM D4830                                                      |
| Eyelet pullout strength                                                                                                                                               | N                                                                                                                                                                                                                                                                | Min. 500                   |             | BS7955, 4.4                                                     |
| Temperature range                                                                                                                                                     | °C                                                                                                                                                                                                                                                               | - 40°C to +80°C            |             |                                                                 |
| Cold bend                                                                                                                                                             | °C                                                                                                                                                                                                                                                               | -20                        |             | EN 1109                                                         |
| Resistance to rot                                                                                                                                                     |                                                                                                                                                                                                                                                                  | Yes                        |             |                                                                 |
| Water vapour perm.                                                                                                                                                    |                                                                                                                                                                                                                                                                  | Max. 2g/m <sup>2</sup> day |             | EN1931                                                          |
| Water absorption                                                                                                                                                      |                                                                                                                                                                                                                                                                  | Low, not specified         |             | Internal Monarflex test                                         |
| Fire classification                                                                                                                                                   | Class                                                                                                                                                                                                                                                            | Not fire protected(B3)     |             | DIN 4102                                                        |
| Light transmission                                                                                                                                                    |                                                                                                                                                                                                                                                                  | Typically 20 to 40%        | +/-10%      | Internal Monarflex test                                         |
| UV-stability: Free outdoor exposure : Minimum 2 year Sudan / 3 years most places                                                                                      |                                                                                                                                                                                                                                                                  |                            |             |                                                                 |
| Water tightness                                                                                                                                                       |                                                                                                                                                                                                                                                                  | Pass 2kPa                  |             | EN 1928                                                         |
| Heavy rain test.                                                                                                                                                      |                                                                                                                                                                                                                                                                  | Pass                       |             | Internal Monarflex test                                         |
| Classification                                                                                                                                                        |                                                                                                                                                                                                                                                                  |                            |             |                                                                 |
| <b>Packing :</b> 50m sheet centre folded lengthwise and tightly rolled<br>Weight per roll 55 kg<br>Pallet cages of 14 rolls<br>Weight per cage approximately 785 kilo |                                                                                                                                                                                                                                                                  |                            |             | Monarflex s.r.o.<br>Továrnská 1<br>SK-94303 Stúrovo<br>Slovakia |