



SUNMASTER

KEEP THE VIEW AND BLOCK OUT THE SUN

DROP ARM AWNING TECHNICAL DATA SHEET

The arms, cover and front profile are constructed from high grade aluminium which can be powdercoated in 150 Dulux colours. All other components are nylon and stainless steel. Operated either manually by use of a crank gear and detachable handle or motorised, either hardwired [switched from a wall] or remote controlled [by use of a hand held remote controller]. Both motorised options can be easily automated by the fitting of a sun & wind sensor and, as with all our motorised systems, can be integrated in C-bus/BMS system.

Fabric used in the manufacture of our EXTERNAL Shading Systems is a transparently woven material made of fibreglass impregnated with PVC, (polyvinylchloride), woven, finished, heat set and ultrasonically welded. Known as Serge, this fabric is available in 36 colours. The weight is 525 grammes/M2 and comes in a width of max.2500mm. In the case of screens with a greater width and drop the material is welded together horizontally. Imported from our sister company in the Netherlands, Serge is flame resistant and carries a fire rating of M1 (see T.N.O. Test Report). Alternatively we carry a broad range of both plain and striped heavy duty acrylic (canvas) materials which can be used in our systems to create a "blockout" effect.

MATERIAL

Transparent fabrics of glass fibres impregnated with polyvinylchloride.

- Thickness: 70/100 – 75/100mm.
- Weight: 510 grams per square metre.
- Breaking point of test sample (50mm wide):
 - Warp: 185 kgf min.
 - Weft: 125 kgf 5-7%
- Elongation at breaking point:
 - Warp 4-6%,
 - Weft 5-7%
- Stability of dimensions:
 - Test : 7 days in ventilated dry heat at 70 degrees c.
 - 16 days submerged in water at 40 degrees c.
 - Result : Variation in dimensions no more than 0.2%.

YARN

- Weight composition approx. 27% glass fibre and 73% Polyvinylchloride.
- Titre is approx. 128 tex (7800 LM = 1 kilogram)
- Diameter is approx. 0.34 mm.
- Breaking point (per thread) is approx. 2.55 kgf

FIRE RESISTANCE

- Fabric is non-combustible and self extinguishing.

ROT and CHEMICAL resistance

- Rot test : Carried out in accordance with standard AFNOR NF-41-600, Comprising the method of mixed seeding.
 - Result : Classification "0" = absolutely NON-rottable.

WATER RESISTANCE

- Test: Carried out as per standard SNV 95-819
 - Result: Classification "5" = maximum resistance.
- Resistance to moisture, moulds, mildew and fungi attack.
- Resistant to known chemical substances present in a polluted atmosphere, (Sulphates, Nitrates) and normal cleansing detergents.



www.sunmaster.com.au

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COLOUR FADING

- General : Full resistance to fading and deterioration due to the addition of polyvinyl stabilizers combined with UV absorptives.

THERMAL RESISTANCE & PERFORMANCE

- Resistant to extreme low temperatures (breaking point of the polyvinyl component is lower than minus 35 degrees c.)
- Resistant to high temperatures (a continuous temperature of 50 degrees c. has no effect on the stability of the texture).
- The fabric has a special treatment to reflect approx. 25-30% of the solar heat and absorb approx. 65-70%.
- Total heat reduction up to 93% (Serge).

Image showing section through droparm header box illustrating winding mechanism.

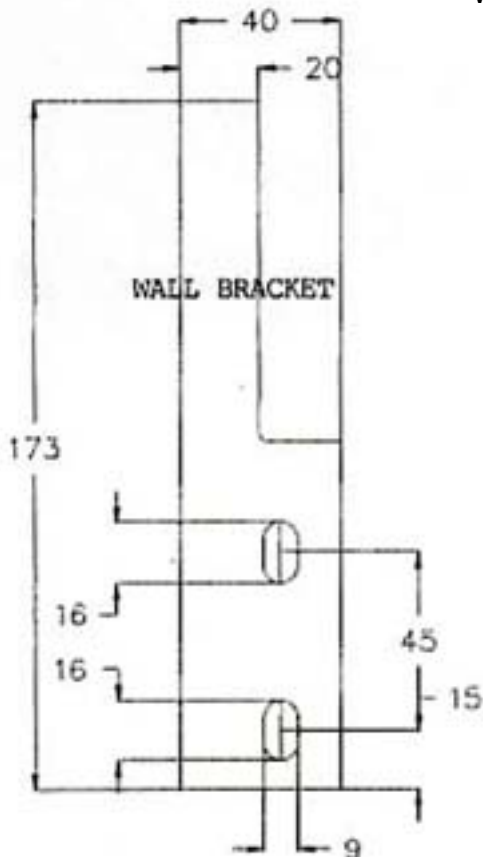
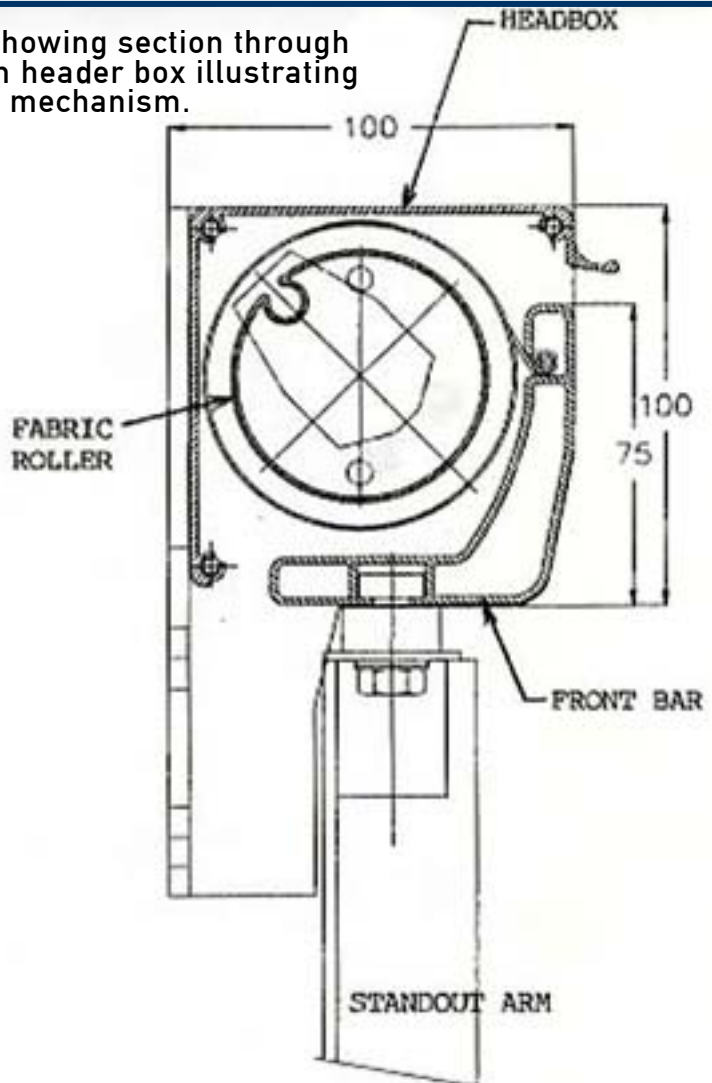


Image showing wall mount.



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