

FPB 1100/60/300 Fire Protection Blanket

DS 199-2 E 1016



FPB 1100/60/300 Fire Protection Blanket

Technical Data

FPB 1200 Fire Protection Blanket for use for Suspension Bridge Cable Fire Protection.

Kind of Product	Thin wall slightly flexible blanket with expected minimum 30 years durability and functionality to prevent damages of load bearing steel strands of suspension cables caused by fires (vehicle accidents or vandalism). As final outer protection and good aesthetics able lengths we recommend the use of our SHPS Half Pipe system or as option WGY HDPE Heat Shrink wrap or NOFX polyethylene/Butyl rubber composite tape. .
Norm	Draft fire protection recommendations from PTI and FIB committees in process. No norms yet.
Fire Classification	Inflammable according DIN 4102 A2 – Fire Protection class F120.
Fire Resistance Properties	The FPB 1100 exceeds the draft fire protection requirements of PT recommendations. Resistance of 60 minutes 1100°C hydrocarbon fire based on ASTM E 19-08a by keeping the PT steel strand temperature below 300°C.
Sizes	Custom size production for all suspension bridge cable sizes. Blanket wall thickness 20.0 mm. Standard width 1000 mm. Other lengths on request.
Colors	Silver-grey
Material Properties	Multi-Layer Blanket consisting of <ul style="list-style-type: none"> - HDPE coating, watertight closure, excellent durability - Thermo expanding insulating material to stop flames, heat and gases - Endothermic responsive material to reduce molecular conduction and convection as well as infra-red heat transmission - Cooling material by discharge of bonded water - Stainless steel net reinforced special punched felt to retard heat <p>The material durability is expected minimum of 30 years with no determinations. The total wall thickness is 20 mm only. Radial overlapping section of 50 mm fixed with Velcro fasteners.</p>
Tests	Properties confirmed by exploratory fire test analysis results (see E 199 Ex. FPB 1200 Test)
Product Properties	Classification temperature of 1100°C, Specific heat at 800°C is 1009 J/kgK Thermal conductivity at tm800°C is 0,20 W/mK Excellent resistance to liquid metal, oil, steam and water and most chemicals, Excellent resistance to heat shock and vibrations, Very good to heat-, electrical and sound isolation Inflammable acc DIN 4102 A2 – Fire Protection class F120
Installation	The FPB 1100 Blanket are manufactured in standard width of 1000 mm. Installation of FPB 1100 blanket is proposed to wrap the blanket around the steel pipe, temporary fix it at the joint by using the incorporated overlap Velcro fasteners and final fixing using a HDPE coated stainless steel band..
Storage	Unlimited storage. Storage preferred indoor and in vertical position.

Contact us for more details.

Discover PESTEC. Discover our ideas.

contact@pes-tec.com
www.pes-tec.com