



Temprotech provide flame retardant temporary protection materials and technologies that meet the exacting demands of the Cruise, Ferry, Naval, Megayacht and Offshore markets.

It is essential that newbuilding, outfitting and refurbishment projects are carried out on time and within budgetary constraints. Accidental damage and soiling from heavy traffic, weather, dust, debris and spillages can necessitate the costly and time consuming replacement or repair to finished surfaces, equipment and environments. Temprotech's materials and technologies help to ensure such damage, expenditure and delays are minimised.

Our product portfolio offers a range of flame retardant temporary protection materials to assist shipowners, operators and managers, yards, contractors and outfitters in the continued drive towards total protection and fire safety.

WELD, FIRE, SMOKE AND FACING FABRICS [\(M1 and Nuclear approved\)](#)

These technical textiles are created by weaving glass, polyester and carbon fibre filaments. Specialist silicone impregnation, coating and foil laminating processes allow for optimum performance under the toughest conditions.

The range includes materials specifically developed to protect personnel, equipment and environments during welding, cutting and metal fabrication. Flame retardant silicone rubber coatings and treatments improve draping qualities and greater resistance to abrasion, tearing and puncturing - ideal for use as fire and smoke curtains, equipment covers and thermal barriers.

TPT3200-2-SS	555g/m ² silicone coated woven glass fabric
TPT3200-2-SW	555g/m ² silicone coated woven glass fabric
TPT3259-2-SS	576g/m ² silicone coated woven glass fabric
TPT92111	205g/m ² woven glass fabric
TPT7628-AL	270g/m ² foil laminated woven glass fabric
TPT426-AL	670g/m ² foil laminated woven glass fabric
TPT400-F1755	815g/m ² woven glass fabric
TPT8451-2-SW	1060g/m ² silicone coated woven glass fabric
TPT04893X-2-SP	1250g/m ² polyurethane coated woven glass fabric

PART NUMBER	TPT3200-2-SS	TPT3200-2-SW	TPT3259-2-SS	*Nuclear Approved
DESCRIPTION	Silicone coated woven glass filament fabric			
APPLICATIONS	This medium weight heat resistant and flame retardant silicone coated fabric is particularly suitable for the manufacture of removable, reusable covers in environments where water repellance is of importance. The product is soft, pliable and easy to sew. Other applications include welding curtains, expansion joint and equipment covers and safety clothing.		A standard duty fabric impregnated with a specially formulated heat resistant, flame retardant silicone rubber to meet the stringent requirements of nuclear reactor applications and provides excellent resistance to abrasion, flexing, tearing and puncturing. It has been designed specifically for use in removable insulation pads, flange and valve covers.	
ROLL SIZE	1.27m x 50m (63.5m ²)		1.52m x 100m (152m ²)	
ROLL WEIGHT	35kg per roll		88kg per roll	
WEAVE PATTERN	4 shaft satin			
AREA WEIGHT	415g/m ²		430g/m ²	
YARN	Warp & Weft EC9-136			
THREAD COUNT	Warp 18.6/cm Weft 11.0/cm		Warp 19.0/cm Weft 12.5/cm	
TENSILE STRENGTH	Warp 1080N/cm Weft 640N/cm		Warp 1110N/cm Weft 700N/cm	
COATED FABRIC	D/S silver silicone	D/S white silicone	D/S silver silicone	
WEIGHT	555g/m ²		576g/m ²	
THICKNESS	0.40mm		0.45mm	
TENSILE STRENGTH	Warp 700N/cm Weft 500N/cm		Warp 650N/cm Weft 490N/cm	
TEMP. RESISTANCE	-36°C to +260°C			
FLAME RESISTANCE	BS4746: Part 7 1971 Part 6 1989, MO BS6853: App. B, IMO Res. A653 (16)		BS4746: Part 7 1971 BS6853: Cat 1 (British Rail Spec.)	
APPROVALS	Lloyds Nr SVG/F92/110, Nr. SAS F970017 Powergen No. 08/65/245 u. LUL E1042 A3 National Power Nr. 08/GS/259		Lloyds Nr SVG/F92/110, Nr. SAS F970017 Powergen No. 08/65/245 u. NRC Guide 1.36 MIL-C-20079F u. MIL-I-24244	
NOTE	Certificates of Conformity available on request.			

EXPANSIVE LAYFLAT SHEETING / ADHESIVE BACKED CARPET FILMS / AKYPLEN® - SOLID ROLL AND SHEET MATERIALS
 CORREX® - EXTRUDED FLUTED BOARD SHEETS / HIGH AND LOW DENSITY FOAMS / DOUBLE AND TRIPLE LAYER BUBBLEWRAPS
 REINFORCED SCAFFOLDING AND FIXING SYSTEMS / HIGH PERFORMANCE ADHESIVE TAPES / RIGILITE® - ALUMINIUM SANDWICH PANELS

The above information and recommendations are based upon our own research and data supplied by manufacturers and are for guidance only. No guarantee of their accuracy is made. We recommend that before using any product, purchasers carry out their own trials to determine to their own satisfaction whether the product is of acceptable quality and suitable for their particular purposes under their own operating conditions. Products are sold without any warranty as to merchantability of fitness for a particular purpose or any other warranty, expressed or implied.

PART NUMBER	TPT92111	TPT7628-AL	TPT426-AL
DESCRIPTION	Glass filament fabric	Glass filament fabric laminated to aluminium foil	
APPLICATIONS	This lightweight fabric is particularly suited to permanent installation as a heat resistant and flame retardant lining for walls and ceilings.	A standard duty fabric laminated to aluminium foil to provide superior thermal and acoustic insulation. Ideal for use as a facing/lining material and in the fabrication of removable insulation mattresses and valve covers.	
ROLL SIZE	1.0m x 50m (50m ²)		
ROLL WEIGHT	10kg per roll	13.5kg per roll	34kg per roll
WEAVE PATTERN	Plain	Double Plain Square	
AREA WEIGHT	205g/m ²	206g/m ²	600g/m ²
YARN	Warp & Weft EC9-68		Warp & Weft EC11-204
THREAD COUNT	Warp 17.2/cm Weft 12.0/cm	Warp 17.1/cm Weft 12.2/cm	Warp 14.0/cm Weft 14.0/cm
TENSILE STRENGTH	Warp 500N/cm Weft 350N/cm	Warp 500N/cm Weft 350N/cm	Warp 1030N/cm Weft 1030N/cm
COATED FABRIC	N/A	One side laminated to 18 micron aluminium foil	
WEIGHT	205g per m ²	270g/m ²	670g/m ²
THICKNESS	0.18mm	0.22mm	0.50mm
TENSILE STRENGTH	Warp ?N/cm Weft ?N/cm	Warp 550N/cm Weft 360N/cm	Warp 1140N/cm Weft 1060N/cm
TEMP. RESISTANCE	Continuous +260°C Short Term +500°C	Up to +180°C	
APPROVALS	BS4746: Part 7 IMO Res. A653 (16)	Class 1, BS4746: Part 7 BV Cert 52303867 BOO H Lloyds Approval SAS F970257	BS4746: Part 7
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PART NUMBER	TPT400-F1755	TPT8451-2-sw	TPT04893X-2-sp
DESCRIPTION	Woven glass filament fabric	Silicone coated glass fabric	Polyurethane coated fabric
APPLICATIONS	A medium weight heat and flame resistant fabric suitable for the manufacture of water repellent expansion joint and equipment covers. The product is soft, pliable and easy to sew. Other applications include welding curtains and safety clothing.	Designed and fully approved by major oil companies for use as welding protection material both on- and offshore and other heavy welding plants. The fire retardant silicone rubber provides greater life, improves draping qualities and resistance to abrasion.	A textured glass fabric with a specially formulated weld-stop treatment and aluminium pigmented polyurethane coating, designed as a horizontal welding blanket to retain weld spatter. It also provides an effective barrier to radiant heat up to 1000°C.
ROLL SIZE	1.0m x 50m (50m ²)	1.52m x 20m (30.4m ²)	1.0m x 50m (50m ²)
ROLL WEIGHT	35kg per roll	32kg per roll	31kg per roll
WEAVE PATTERN	Double Plain Square	8 shaft satin	Plain
AREA WEIGHT	815g/m ²	860g/m ²	1000g/m ²
YARN	EC9-136 x 2	EC9-136 x 2	EC9-500 text x2 to
THREAD COUNT	Warp 13.8/cm Weft 14.0/cm	Warp 16.1/cm Weft 14.0/cm	Warp 6.2/cm Weft 3.0/cm
TENSILE STRENGTH	Warp 1630N/cm Weft 1630N/cm	Warp 1880N/cm Weft 1640N/cm	Warp 1360N/cm Weft 600N/cm
COATED FABRIC	N/A	D/S white silicone	D/S grey polyurethane
WEIGHT	N/A	1060g/m ²	1250g/m ²
THICKNESS	0.85mm	0.90mm	1.60mm
TENSILE STRENGTH	N/A	Warp 1250N/cm Weft 1250N/cm	Warp 800N/cm Weft 600N/cm
TEMP. RESISTANCE	Continuous +250°C Short Term +500°C	-36°C to +260°C	-36°C to +150°C Fabric +600°C
FLAME RESISTANCE		BS476: Part 7 1987 BS476: Part 6 1989	
APPROVALS		Lloyds Nr SVG/F92/110, Certificat Nr. SAS F970017 Powergen No. 08/65/243	
NOTE	Certificates of Conformity available on request.		

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