

DEF450A/1500 Dip Coated E Glass Fabric

Description

Dip-coated E-glass fabric, typically treated with silicone, polyurethane, or acrylic, is used for high-temperature insulation, fire protection, and industrial sealing. It acts as welding curtains, flexible expansion joints, protective equipment, and specialized covers due to its high heat resistance, durability, and chemical resistance. This Fiberglass fabric is non-asbestos products used for both thermal and electrical insulation in applications including heat shields, welding, stress relieving, removable insulation covers, gasket products, fire blankets, fire curtains, expansion joints and flue ducts.



Applications & Properties

- **Thermal Insulation:** Used for machinery jackets, piping covers, and exhaust insulation.
- **Fire & Safety Protection:** Manufactured into fire blankets, welding curtains, and splash protection curtains.
- **Industrial Seals:** Used in flexible compensators and gaskets in piping systems.
- **Protective Covers:** Applied as protective clothing, removable insulation blankets, and covers for industrial machinery to resist abrasion and chemicals.
- **Rewettable** This fabric is pre-pasted with adhesive and needs only to be dipped in water to soften and reactivate adhesion.
- **Adhesion** - Bonds firmly to fiberglass, calcium silicate, mineral wool, urethane and asbestos.
- **Incombustibility** Material is completely incombustible and meets all the requirements for Class 1 Sheathing materials.
- **Contour ability** this fabric has been specifically designed to contour around tees and elbows uniformly and evenly.
- **Approvals** US Coast Guard spec 164.009 Mil-I-24244, Mil-C-20079 G, Type 1, and Class 6.

Technical Data

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Weave	Basket Weave		Testing Method
Yarn	Warp	EC6 66 1x3 Tex	DIN 53830-3
Texturized	Weft	EC6 66 1x3 Tex	DIN 53830-3
Width	100 cm		DIN EN 1773
	152 cm		DIN EN 1773
Cloth Weight	289 g/m ²		DIN EN 12127
COATING STYLE	Impregnated with high-temp. solution		
TOTAL THICKNESS	0.46mm		
TOTAL WEIGHT	486g/m ²		
THREAD COUNT	WARP	7.0per cm	DIN EN 1049-2
	WEFT	6.0per cm	DIN EN 1049-2
TENSILE STRENGTH (min)	WARP	>876 N/5cm	EN ISO 13934-1
	WEFT	>438 N/5cm	EN ISO 13934-1
SERVICE TEMPERATURE	550°C		

Revised 16/06/2026