

PROCLAD PLUS™ Preformed

Unbeatable advantages, health & safety benefits, ease of preparation and fast installation

Product Description

PROCLAD PLUS™ Preformed is an innovative insulation jacketing for both interior and exterior applications. PROCLAD PLUS™ Preformed is the consistent further development of PVC and Alu jacketing making it the undisputed market leader in the plastic insulation covering. The proven multi-layer construction provides unprecedented features in technology and efficiency.

The key success factors of PROCLAD™ and PROCLAD PLUS™ Preformed are the ease of installation and machine free handling, combined with new high technological foil advancements, further developed and improved upon to provide a true economic alternative to current real metal jacketing systems.

Environmentally Responsible

- External & internal applications
- Proven UV resistance, 10 years+
- Does not use heavy metals
- Free of ozone-depleting CFC and HCFC compounds
- The material is almost [$<0.5\%$] completely free of plasticizers
- Can be used without any restriction in food processing plants
- Extends the serviceable life of infrastructure and lowers maintenance costs
- Long term protection and durability

Product Data

Item	Value	Standard
Standard Thicknesses	230,280 microns	
Tensile Impact Strength	>285 N/15mm	EN ISO 527-3
Elongation at Break	35%	EN ISO 527-3
Puncture Resistance	110N	EN 14 477 2 0
Fire Class	EN 13501	EN ISO 13501-1: B S D
Impact Strength	≥ 400 kJ/m ²	ISO 8256
Tensile Strength	35 N/mm ²	ISO 527
Sd Value	ca. 1600	
LOI (Limiting Oxygen Index)	35% 0	ASTM D 2863-77
UV Testing	10 years plus	ASTM G 26A ISO 4892-2

Product Range & Sizes

Name	Colour	Micron	Width (mm)	Length (m)
PROCLAD PLUS Preformed Black	Black	230 & 280	1000+ & 1200+	25
PROCLAD PLUS Preformed Silver (Alu)	Silver	230 & 280	1000+ & 1200+	25
PROCLAD PLUS Preformed White	White	230 & 280	1000+ & 1200+	25

†Also available in adhesive form.

††Various 45° & 90° moulded S & W elbows and T-sections available upon request

††Available in silver as standard. Black and white available by request.

Installation Guidelines

Coverage	1 x 1000mm roll equates to 25m ²
	1 x 1200mm roll equates to 30m ²

Surface preparation: Ensure all surfaces are dry and clean, free from dirt and dust, grease, oil and silicones. The insulation materials should be installed to industry standards and sealed using one of ProTech Global's aluminum foil tapes, GT30HT or GTR55.

Application: When installing PROCLAD PLUS™ Preformed first commence with the fitment of the moulded items i.e. 45° or 90° S or W bends and t-sections. For straight pipe sections, cut from the corresponding roll according to the section circumference. Use the guide rail of the cutter to assist in both attaining a clean-cut line as well as aiding in the reduction of waste.

Ensure there is sufficient product for a 25mm overlap on moulded bends and t-sections and for the circumference of the pipe section being fitted.

The inherent memory of the PROCLAD PLUS™ Preformed product will aid in the quick installation by maintaining shape and gripping the underlying pipe section. Adjust as required and fix along the seams with either PVC nails (every 150mm) or continuously with the relevant 2 or 4 ply PROCLAD PLUS™ adhesive tape.

Method Statements: ProTech Global Ltd provides detailed method statements for use in various applications, and are available upon request. These must be referred to prior to commencing work.

PROCLAD PLUS™ Preformed Weather Protection Cover Film – Physical & Chemical Stability

Acids	acetic acid (all concentrations)	resistant
	50% formic acid	resistant
	10% hydrochloric acid	resistant
	30% hydrochloric acid	partially resistant
	10% and 25% hydrofluoric acid	resistant
	10% nitric acid	resistant
	65% and 100% nitric acid	not resistant
	30% and 85% phosphoric acid	resistant
	20% sulphuric acid	partially resistant
	sulphur dioxide gas, dry	resistant
80% and above sulphuric acid	not resistant	
Aldehydes	acetaldehyde	resistant
	formaldehyde	resistant
Alcohols	benzyl alcohol	partially resistant
	cyclohexanol	resistant
	ethyl alcohol	resistant
	glycerine	resistant

	glycol	resistant
	isopropyl alcohol	resistant
	methyl alcohol	resistant
Aqueous alkaline solutions	ammonium hydroxide	not resistant
	calcium hydroxide	partially resistant
	sodium hydroxide	not resistant
Chlorinated hydrocarbons	carbon tetrachloride	partially resistant
	chlorinated biphenyls	partially resistant
	chloroform	resistant
	trichloroethylene	resistant
Esters	ethyl acetate	resistant
	aliphatic hydrocarbons	resistant
	benzene	resistant
	gasoline (petrol)	resistant
	mineral oils	resistant
	toluene	resistant
	xylene	resistant
Miscellaneous substances	Calcium hypochlorite	resistant
	chlorine	resistant
	hydrogen peroxide	resistant
	oxygen	resistant
	Sodium hypochlorite	resistant
	water*	resistant
Other organic solutions	acetone	resistant
	diethylether	resistant
	nitrobenzene	not resistant
	phenol	not resistant
Salt solutions	alkaline carbonates	resistant
	bichromates	resistant
	cyanides	resistant
	fluorides	resistant
	Sodium Chloride	resistant

*At elevated temperatures (approx. > 100°C) and in the presence of water (vapour), the PROCLAD PLUS™ Preformed cover film tends to become brittle as a result of hydrolysis.



Technical Data Sheet

Legal Notices

The information, and, in particular, the recommendations relating to the application and end-use of ProTech Global Ltd products, are given in good faith based on ProTech Global Ltd.'s current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with ProTech Global Ltd.'s recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. ProTech Global Ltd reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

About ProTech Global Ltd

ProTech Global Ltd is a UK based company that has manufactured anti-corrosion products for over 25 years. With many years' experience in differing types of protection scenarios, ProTech Global Ltd has a reputation as a trusted supplier and partners with many corporations worldwide.

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