ProTech Global

Technical Data Sheet

PROCLAD100™

The Economical Cladding System

Product Description

PROCLAD100™ is the economical multi-layered laminate system, which provides a weatherproof cladding and jacketing system to insulated duct and pipe systems. The multi-laminate has a zero-perm rating to prevent moisture ingress and with increased strength and UV resistance, PROCLAD100™ provides an economical market leading solution. The technically advanced adhesive being solvent free for safe environmentally conscious use, is capable of being applied in wet/humid conditions at extremes of temperatures (-30˚C to +149˚C).

Characteristics & Advantages

- External & internal applications
- Proven UV resistance, 10 years+
- Increased puncture resistance
- Salt water resistant
- Resistant to a range of chemicals
- Compliant for direct food contact
- BS 476 parts 6&7: Class'0'
- Long term protection and durability
- Extends the serviceable life of infrastructure and lowers maintenance costs

Product Data

Item	Value	Standard
Product Thickness	130 microns	
Tensile Strength	>200 newtons	EN 527-3
Elongation	>30%	EN 527-3
Water Permeability	0.00 g/m2/d	ASTM F1249 ISO 15106-2
Puncture Resistance	28 newtons	DIN EN 14477
Service Temperature	-40˚C to +149˚C	
Application Temperature	-30˚C to +130˚C	
Emissivity Value	0.03 to 0.84	
UV Testing	10 years plus	ASTM G 26A ISO 4892-2
Fire Rating	Class 0	BS 476 parts 6&7

Product Range & Sizes

Name	Colour	Micron	Width (mm)	Length(m)
PROCLAD 100EMB	Silver	130	600 & 1200	50
PROCLAD 100S	Silver	130	600 & 1200	50

Installation Guidelines

Coverage	1 x 600mm roll equates to 30m² 1 x 1200mm roll equates to 60m²

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 applying PROCLAD100™ ensure that the correct pressure is applied using the plastic applicator (provided) as the adhesive is a PSA and requires a firm application to provide a full surface bond.

When placing the cut piece of PROCLAD100™ in to position, partially peel back the liner to allow correct positioning and then rub down, continue to peel back the liner whilst pressing in to place using the hand to prevent creasing, once the full piece has been applied use the plastic applicator and rub the complete surface to ensure the full adhesive bond required.

Continue to apply PROCLAD100™ ensuring that a minimum 75mm overlap is observed to the previous piece to ensure a strong weatherproof seal.

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.

Alternative Products

PROCLAD150™ is the premium multi-layered laminate system, which provides a weatherproof cladding and jacketing system to insulated duct and pipe systems. The 6-ply laminate has a zero-perm rating to prevent moisture ingress and with increased strength UV resistance, PROCLAD150™ provides a market leading solution.

Legal Notices

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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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