

TRUSTED PROTECTION



ENGINEERED TO PERFORM



PROCLAD — Protection For Insulation Systems



PROCLAD

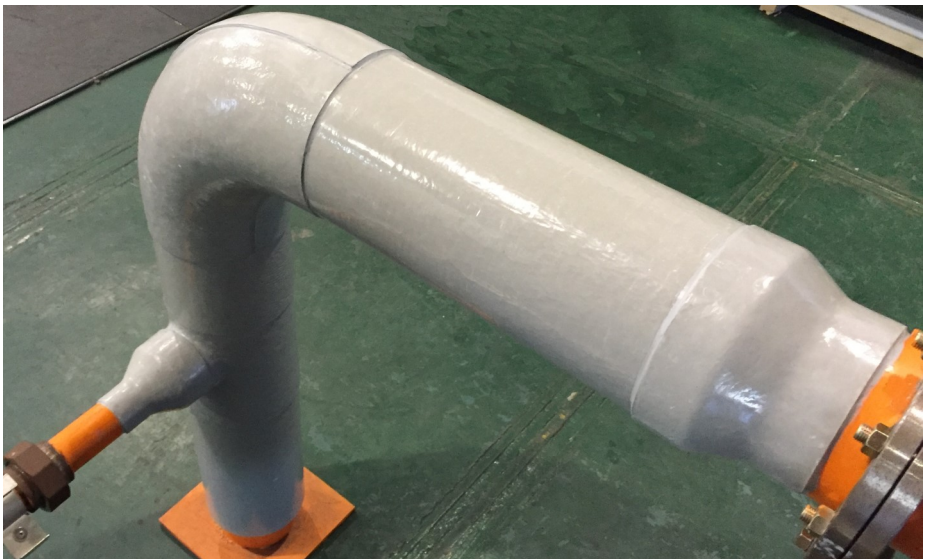
PRE-CURED GRP - Polyester Resin composite system.

Ideal for pre-insulation or areas where there is a high risk of CUI, ProClad works with any insulation system and will allow the system to perform at its highest level. With the ability to make long radius and short radius 90's as well as the standard tees, ProClad is easily installed with the use of the exclusive ProClad adhesive system.

This creates a flexible design that allows for the expansion/contraction of the system yet keeps the system fully sealed, allowing for greater assurance against corrosion-under-insulation (CUI).

FEATURES & BENEFITS OF PROCLAD

- Made to exacting tolerances
- Meets ASTM E-84 Smoke and Flame requirement
- High UV resistance
- Long Radius and Short Radius Elbows, Endcaps, Equal and Reducing Tees available
- Easily installed indoor or outdoor
- Reduces CUI risk
- Easily handled
- Will not dimple like metal
- Resistant to foot traffic
- Excellent chemical resistance
- Ideal for hot and cryogenic systems
- Can withstand long term operating temperatures of 150°C
- Can be used with all types of insulation systems including Aerogels
- Can be manufactured to suit any size piping and insulation



BESPOKE SOLUTIONS

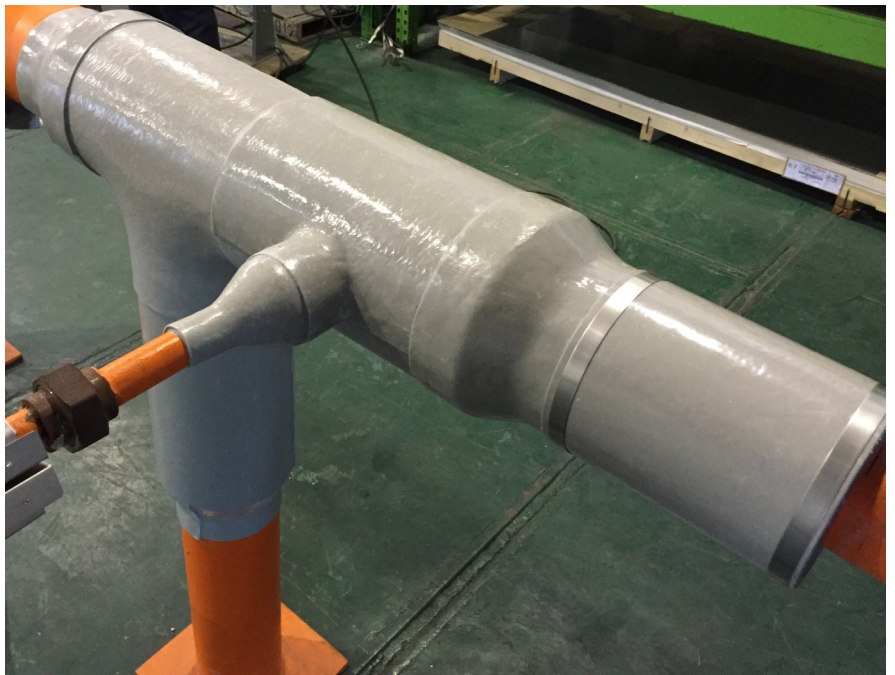
ProClad Systems are able to offer bespoke manufactured items for Flange and Valve box fittings.

PRODUCT TRAINING

ProClad Systems have a team of NACE/FROSIO/ICORR Certified Technical Support personnel who can offer training for installers.

CUSTOMER SUPPORT

ProClad Systems have permanent resources based in the in USA and Asia.



ProClad is delivered as pre-molded parts for straights, fittings, end caps, flange boxes and valve boxes. ProClad pieces are joined with ProClad's range of exclusive adhesives. The ProClad system is designed to encapsulate the entire insulation system End cap to End Cap

ProClad has been designed in accordance with ASTM C-585 tolerance standards and is able to withstand a marine environment, exposure to UV light, high humidity and rainfall. ProClad is delivered as standard in 1.8mm thickness.

ProClad conforms, meets or exceeds:

- ASTM E84-16B,
- IMO MSC 307(88) Annex 1 Part 2
- ASTM E1317
- IMO 2010 FTP Code Pt 5 with exemption from IMO 2010 FTP Code Pt 2 due to low heat release.
- ASTM G154 – (2000 hrs accelerated aging (coated and uncoated))



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PROCLAD ADHESIVE

ProClad Adhesive is a multi-purpose one-component structural sealant/adhesive designed for difficult bonding and sealing applications. ProClad Adhesive is moisture curing and was developed for industrial uses requiring elasticity, high strength and excellent adhesion.

ProClad Adhesive is an excellent choice for many product assembly applications. ProClad Adhesive is tough, elastic and waterproof. ProClad Adhesive often provides *primer-less* adhesion to steel, aluminium, ceramics, Styrofoam®, coated metal, glass, wood, fiberglass, and many plastics (Acrylic, Polycarbonate, ABS, and PVC). ProClad Adhesive is also suited for many applications requiring adhesion to concrete and cementitious building materials.

ProClad Adhesive is based on a unique polymer system that will cure at temperatures as low as -10°C . ProClad Adhesive has excellent weathering characteristics and is suitable for use in all climates.

- Solvent and isocyanate free
- Non-flammable
- Fast curing
- 500% Joint movement capability.
- Permanently elastic in a broad temperature range
- Paint compatible
- Extremely low shrinkage
- Low odour

PROCLAD HT SILICONE

ProClad HT Silicone is a one-component, moisture-cure, acetoxysilicone that cures to form an extremely durable rubber that can withstand a variety of extreme environments. Unlike many organic sealants, it is extremely resistant to degradation, weathering, extreme temperatures and mold and mildew. Meets the requirements of NSF Standard 51 and FDA Regulation No. 21 CFR 177.2600 for food grade applications. This 100% RTV Silicone can be applied to both vertical and overhead joints without sagging and is easy to extrude at both hot and cold temperatures.

- Mold & Mildew Resistant
- Resistant to UV Degradation and Weathering
- Withstands Extreme Cold & Extreme Heat
- 25% Joint Movement Capability
- Easy to Extrude at Cold Temperatures
- Non-Slump, Can Use on Overhead & Vertical Applications
- Excellent for Indoor & Outdoor Applications
- Creates a Waterproof Seal
- One-Component, Easy to Use Formulation

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