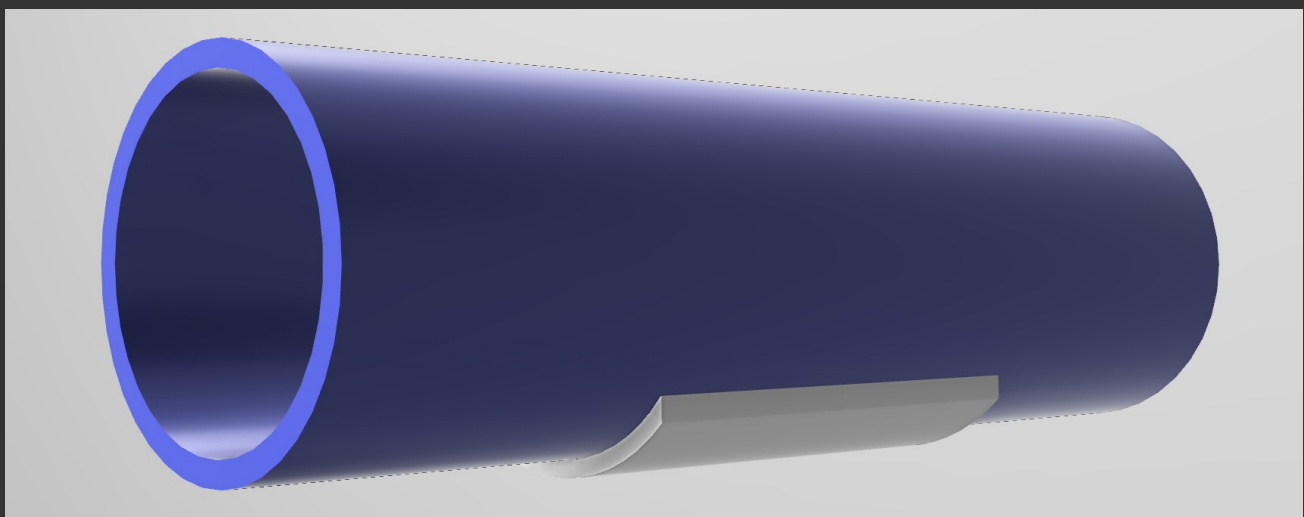


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PROCLAD WEARPAD— Mitigating Corrosion at Pipe Supports

PROCLAD WEARPAD SYSTEM

The ProClad Wearpad System is a new type of non-metallic Wearpad for use at pipe support locations as an alternative to steel plates and pipe shoes.

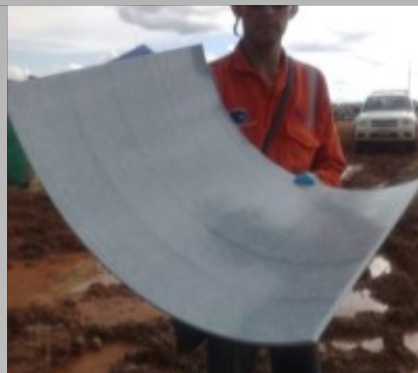
Our polyester resin composite system offers great mechanical properties with good resistance to impact and abrasion. Ideal for pipeline rehabilitation or for new construction. The ProClad Wearpad is easily installed with the use of the exclusive ProClad adhesive system. This creates a flexible design of the system yet keeps the Wearpad system fully bonded and sealed to the pipe to effectively and economically prevent corrosion at the pipe support location.

Features

- Manufactured from ProClad Uncured Rolls—a UV-GRP composite material.
- Available in kits format with ProClad adhesive included
- Meets ASTM E-84 Smoke and Flame requirement
- High UV resistance — QUV tested
- Reduces CUI risk
- Excellent chemical resistance
- Simple and quick installation
- Light weight
- Effective corrosion prevention for pipe support area
- Excellent compressive strength and impact resistance
- Can be manufactured to suit different pipe size, pipe support length and segment angle
- Can be position accurately at site with no hot works/ welding or blasting/painting works required
- Good adhesion to painted surfaces with ProClad adhesive
- Highly abrasion-resistant
- Good temperature resistance up to 100°C continuous with peaks up to 150°C
- Removable

Typical Applications

- Process Piping
- Skid packages
- Areas where extended maintenance is required
- High corrosive environments
- Weight sensitive areas
- Cross country piping
- Refrigeration piping
- Plant & Pump rooms



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ProClad Wearpads are a minimum thickness of 5mm and are manufactured specifically to the diameter size of the pipes for which they are intended. The standard Wearpad is made for a 120° degree sizing and have a standard length of 12 inches.

NPS	OD (in)	Segment Angle	Length (in)	Minimum Thickness (mm)	Qty of Wearpad per kit	Total Weight (Kg)	Qty of Adhesive tubes
1/2"	0.84	120	12	5	12	5.82	3
3/4"	1.05	120	12	5	12	7.5	4
1"	1.31	120	12	5	12	9.5	5
1-1/4"	1.63	120	12	5	12	10.5	5
1-1/2"	1.9	120	12	5	12	12.5	6
2"	2.37	120	12	5	12	13.5	6
2-1/2"	3	120	12	5	12	14.5	6
3"	3.5	120	12	5	12	17.5	8
3-1/2"	4	120	12	5	12	20	9
4"	4.5	120	12	5	12	22.5	10
4-1/2"	5	120	12	5	10	20	9
5"	5.56	120	12	5	10	23	10
6"	6.63	120	12	5	10	27	12
7"	7.63	120	12	5	10	32	13
8"	8.63	120	12	5	10	35	15
9"	9.63	120	12	5	10	40	17
10"	10.75	120	12	5	10	44	19
11"	11.75	120	12	5	10	48	20
12"	12.75	120	12	5	10	51	22
14"	14	120	12	5	10	58	24
15"	15	120	12	5	5	33	13
16"	16	120	12	5	5	35	14
17"	17	120	12	5	5	35	15
18"	18	120	12	5	5	37	16
19"	19	120	12	5	5	39	16
20"	20	120	12	5	5	40	17
21"	21	120	12	5	5	43	18
22"	22	120	12	5	5	45	19
23"	23	120	12	5	5	48	20
24"	24	120	24	5	5	80	21
28"	28	120	24	5	5	85	22
30"	30	120	24	5	5	90	23
36"	36	120	24	5	5	95	24
42"	42	120	24	5	5	100	24
48"	48	120	24	5	5	110	24



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PROCLAD WEARPAD SYSTEM

PHYSICAL	Typical	Unit	Test
Density (molded)	2.02	g/cm3	ISO 1183/A
Water Vapor Permeability	< 15	ng/(Pa-s-m2)	ASTM E96
Barcol Hardness	61	Barcol	
FLAME	Typical	Unit	Test
Flame Spread, max	25 (5 Actual)	Index	ASTM E84-15b
Smoke Developed, max	50 (40 Actual)	Index	ASTM E84-15b
MECHANICAL	Typical	Unit	Test
Tensile Modulus	2.5E+6 (17,200)	psi(MPa)	ASTM D638
Tensile Stress (Break)	8000 (55)	psi(MPa)	ASTM D638
Tensile Elongation	1.4	%	ASTM D638
Flexural Modulus	1.4E+6 (9,380)	psi (MPa)	ASTM D-790
Flexural Stress (Break)	18,000 (125)	psi (MPa)	ASTM D-790
Compressive Strength	14,000 (96)	psi (MPa)	ASTM D-695
IMPACT	Typical	Unit	Test
Izod Notched Impact Strength 73°F (23°C)	13(700)	ft-lb/in (J/m)	ASTM D256
Unnotched Izod Impact Strength 73°F (23°C)	23(1230)	ft-lb/in (J/m)	ASTM D4812
THERMAL	Typical	Unit	Test
Heat Deflection 264 psi (1.8 MPa)	>392 (>200)	°F (°C)	ISO 75-2/A
ELECTRICAL	Typical	Unit	Test
Dielectric Strength	8	Kv/mm	ASTM D149
Arc Resistance	150	Sec	ASTM D495

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