



## TAM COMPOSITE WRAPPING



### MANUFACTURE:

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MADE IN

INDONESIA

# DESCRIPTION

TAM COMPOSITE WRAPPING SYSTEM IS OUR NEW TECHNOLOGY TO SOLVE CONVENTIONAL PROTECTIVE COATING AND PETROLATUM TAPE WITH HDPE JACKET SYSTEMS.

TAM COMPOSITE WRAPPING SYSTEM IS DESIGN TO STOP CORROSION AND STRENGTHEN THE PILES AT HAZARD CONDITION SUCH AS SPLASH ZONE AREA BY CREATING A SOLID BARRIER BETWEEN STRUCTURE AND ELECTROLYE (SEA WATER OR SOIL).

THE SYSTEM HAVE LONG LIFE DESIGN AND EASY FOR INSTALLATION AND MAINTENANCE.

TAM COMPOSITE WRAPPING SYSTEM IS MADE BY PT. TAM VICTORY CEMERLANG, AN INDONESIAN COMPANY SPECIALIZES IN ANTI-CORROSION SINCE 2008. TAM COMPOSITE WRAPPING SYSTEM HAS A TKDN OF 37.92% (MINISTRY OF INDUSTRY).

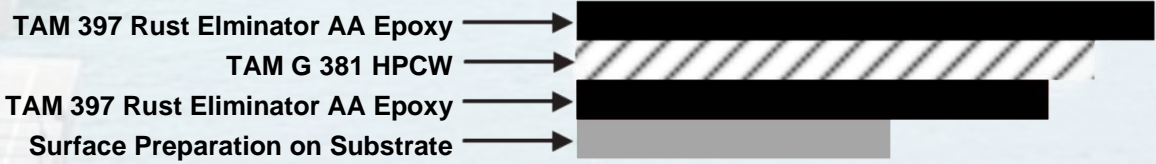
- TAM COMPOSITE WRAP HAVE ADVANTAGES:**
1. EASY FOR INSTALLATION
  2. RESISTANT TO BIG WAVES
  3. RESIST DIRECT FLOW
  4. RESIST HIGH CORROSION RATE
  5. CAN NOT BE STOLEN
  6. LONG LIFE TIME DESIGN



**TAM COMPOSITE WRAPPING SYSTEM**

NO	ITEM
1.	TAM 397 Rust Eliminator AA Epoxy
2.	TAM G 381 HPCW High Performance Composite Wrap

**TAM COMPOSITE WRAPPING**



# COMPONENT

## STANDARDS

**STANDARD ASME PCC-2-2018, Table 401-3.2-1 REPAIR SYSTEM REQUIRED MATERIAL AND PERFORMANCE PROPERTIES FOR COMPOSITE WRAPPING G 381 HPCW**

No	Item	Requirement	Method	TAM Result	Laboratory
1	Tensile Strength	Strain to failure must be >1%	ASTM D3039	531.5 ± 4.09 MPa	STP Lab No. 1603770822
	Tensile Modulus		ASTM D3039	22.71 ± 4.38 GPa	STP Lab No. 1603770822
	Elongation at Break		ASTM D3039	3.85 ± 0.71 %	STP Lab No. 1603770822
2	Per Ply Thickness	None	ASTM D5947	1300 microns	STP Lab No. 1603770822
3	Adhesion	4 MPa	ASTM D4541	7 MPa	TAM Inhouse Lab
4	Flexural Modulus	None	ASTM D790-17	20.93 ± 0.37 GPa	STP Lab No. 1603770822
5	Flexural Strength	None	ASTM D790-17	520.07 ± 13.65 MPa	STP Lab No. 1603770822

## ADDITIONAL PROPERTIES FOR TAM COMPOSITE WRAPPING G 381 HPCW

Item		Method	TAM Result	Laboratory
Dielectric Strength		ASTM D149	<5000 V Ac; No breakdown	Sucofindo Lab No. 42467/DBBPAN
Volume Resistivity		ASTM D257	>500 G ohm (500 V Dc)	Sucofindo Lab No. 42467/DBBPAN
Heat Distortion		ASTM D648	96.12 °C	Sucofindo Lab No. 42467/DBBPAN
Hardness Shore D		ASTM D2240	79.2 D	STP Lab No. 1603770822
Compression Test	Strength	ASTM D695	124.46 ± 15 MPa	STP Lab No. 1603770822
	Modulus		6.25 ± 1.38 GPa	STP Lab No. 1603770822

# METHOD

## APPLICATION METHOD TAM COMPOSITE WRAPPING SYSTEM

1. Remove moisture, oil, dust scale, & etc. on the surface area by hand tools (SSPC-SP2) or Power tools (SSPC-SP3).
2. Combine TAM 397 Rust Eliminator AA Epoxy Base and Activator for 3-5 minutes on a mixer.
3. Apply the mix to TAM G381 HPCW High Performance Composite Wrapping, and use it around surface pipes while applying tension to assure tight wrap adhesion. Use iron paint roller to remove trapped air.
4. Apply TAM 397 Rust Eliminator AA Epoxy on the surface using paint roller or hand tools.
5. A) Let it stand at least 1 hours, for above water application;  
B) Let it stand for 8 hours with the help of plastic wrap for under water application.

# APPLICATION





# TAM



Anti Corrosion Industry