

# maxcomp

SUPERIOR COMPOSITE TECHNOLOGY

MAXcomp is an engineered composite repair system for pipe and pressurized equipments, according to the ASME PCC-2 and ISO 24817 standards with temperature resistance up to 130° C (266° F). Type approved by ABS with intense quality control and technical certifications.



**STRUCTURAL REINFORCEMENT**

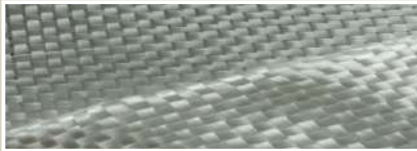
[maxepoxy.com](http://maxepoxy.com)



**MAXcomp is easy to apply and cost-effective, allowing repairs of different geometries such as straight, T, elbow, reduces, etc. MAXcomp can be used to repair a variety of defects such as: cracks, dents, erosion, manufacturing defects, corrosion, cavitation and chemical attacks.**

**Used and approved worldwide by Mining Industry, Refinerie, Steel Mill, Petrochemical, Pulp and Paper, Pipeline, Oil & Gas - On/Offshore, etc.**

## **What are Composite Materials?**



Composite materials are combinations of two materials with totally different physical and mechanical properties (resin + fiber), which when used together have high mechanical properties. The main characteristic of composite materials is the weight/strength ratio (very light and with very high mechanical properties), and it is due to this property that they are widely used in engineering. The development of composite materials is directly linked to aerospace, automotive, naval technology, etc., being associated to the development of advanced technology. They are very reliable and have excellent chemical, corrosion and temperature resistance. The composite properties applied to the industrial area guarantee structural reinforcement of any geometry in minutes, minimizing the time and cost of repairs and replacements of pipes and equipment.

## **Structural Reinforcement of Composite Material**



- Pipe life extension until next shutdown
- Elimination of downtime and hot work
- Can be applied when the pipeline or tank is in service
- Can be designed according to standards ACI, API, ASME ou ISO
- Composites are an effective alternative to replace sections and clamps
- Composites can be applied to pipes of any diameter and length, including weld seams, bends, tees, sockets, etc.
- Safe, fast, conformable, long lasting, and lighter than steel

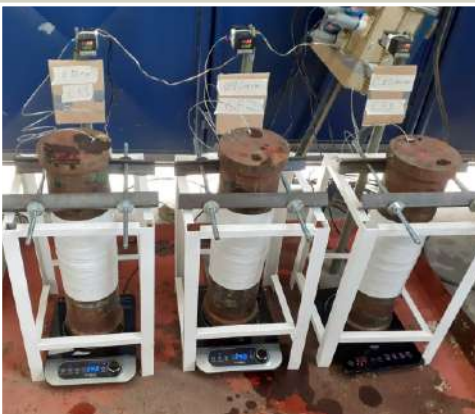


## Applications

Process Pipes, Concrete Structures  
and Metal Structures in:

- Product lines such as: oil, gas, chemicals, pulp and paper, etc.
- Repairs to pipes with internal and external corrosion
- Repairs at high and low temperatures
- Aggressive Chemicals
- Flare Lines
- Heat exchangers
- Tanks
- Vessels
- Ships
- Bridges, slabs, beams and concrete pillars





## Composite Repair Qualified by International Standards

The repair system with composite materials for pipes and pressurized equipment is based on international standards. We highlight ASME PCC-2 standard for repairs by welding process, mechanical repairs and non-metallic adhesive repairs (composite materials) and ISO 24817/TS, specific for repair system with composite material, qualification, design, testing and inspection. An engineered repair system with full support and other standards such as: ASME B31, DOT, API and CSA Z662.

## Quality Control

**SAFETY** is our number one concern and all MAXepoxy products, technologies and procedures are focused in providing our customers with the most accurate and advanced safety protocols.

**AT THE MANUFACTORY:** with a state of the art laboratory and Chemical PhDs and throughout the most advanced testing methods, all production batches are fully tested with QC and traceability, according to the ISO 9001 standard certification.

**AT THE FIELD:** Training Programs for composite applicator technicians, engineers, managers and Trainers are provided and traced. A QC is conducted in the Field at each installation according to rigorous standards to ensure a topflight repair.

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