TAURUS
INDUSTRIAL
BANDAGE



LEAK REPAIR LEVEL 4 - CPR

Composite Pipe Reinforcement Repair Kit

Taurus Bandage Level 4 – CPR is an advanced structural repair solution using carbon fiber-reinforced composite materials, developed for the permanent rehabilitation of pipelines and ducts affected by various types of deterioration or loss of integrity. The system is engineered in accordance with the criteria established by ASME PCC-2, with the objective of restoring the pipeline's original mechanical capacity. Its technology can address everything from minor localized defects to more severe structural damage, providing a safe, durable repair solution aligned with the primary codes, standards, and technical requirements applicable to the industry.

Taurus Bandage Level 4 – CPR has been developed to permanently restore the structural integrity and operational capacity of pipes affected by various types of damage, including:

- External corrosion, wall-thickness loss, and pitting
- Dents, impact damage, and surface gouges
- Weld defects or imperfections originating during manufacturing
- Deformations, bends, and buckles
- Cracks, provided that repair is technically feasible based on the assessment of each specific application

Filler: Taurus T58-HTBase
Resin: Taurus TS2
Resin: Taurus T150
Fabric: 3KBD Carbon Fiber

ADVANTAGES

- Taurus Bandage enables permanent repairs while minimizing operational downtime during installation.
- Its application does not require welding or hot work, helping improve safety throughout the repair process.
- Due to its flexibility, it can conform to pipes with irregular shapes, deformations, geometric transitions, or limited-access locations.
- The system significantly reduces the time required to complete repairs, as well as the costs associated with field activities.
- Installation is straightforward and efficient, requiring fewer labor hours and lower labor costs than conventional repair methods.
- It can be applied directly to metal surfaces without causing additional damage, providing a lighter, stronger, and more cost-effective solution than traditional steel reinforcement systems.

BANDAGE SIZE	6"x30' — 152mm × 9,14m	4"x150' — 102mm × 45,72m
PRODUCT CODE	*T630*	*T4150*

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APPLICATION PROCEDURE

1- REBUILDING

Rebuild areas with imperfections and wall-thickness loss using Taurus T58-HT



2 - CORROSION PROTECTION

Coat the entire repair area with Taurus Ts2



3 - IMPREGNATION

Apply Taurus T150 to the carbon fiber tape to achieve complete impregnation



4 - THE REINFORCEMENT

Perform the structural reinforcement by wrapping the pre-impregnated carbon fiber tape, overlapping each wrap by 50%



5 - FINAL FINISH

Wrap the entire repair area with the compression film, then run the perforating roller over it



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