

SERIES 423 PIPE ARMOR® FJW

ADVANCED PROTECTION FOR FIELD JOINTS AND WELDS

Series 423 Pipe Armor FJW represents Tnemec's newest innovation in high-performance protection for steel pipelines. Engineered as a 100% solids epoxy, this advanced formulation delivers exceptional defense for field joints, welds, and areas vulnerable to damage during transportation or installation. Its superior adhesion and long-term corrosion resistance help maintain structural integrity while safeguarding pipelines from harsh environmental conditions.

Designed for both performance and practicality, Series 423 is easy to apply and highly dependable in the field. Its user-friendly formulation promotes smooth, consistent coverage, allowing contractors to work efficiently while minimizing labor challenges. The fast-curing properties reduce downtime and speed return-to-service—an essential advantage for projects with tight timelines.

USES AND APPLICATIONS

- | **Field joint welds (FJW)**
- | **Field repairs**
- | **Buried pipelines**
- | **Oil and gas transmission pipelines**

FEATURES AND BENEFITS

- | **User-friendly**
- | **Excellent adhesion**
- | **Fast-curing**
- | **Excellent resistance to cathodic disbondment**





Above According to the owner's specification, Series 423 was applied to girth welds on five miles of 12-inch pipe prior to install via horizontal directional drilling in Kansas City, MO. The crew reported excellent field performance and gold-standard support from Tnemec.

USER-FRIENDLY, PERFORMANCE READY

Series 423 also offers excellent resistance to cathodic disbondment, ensuring compatibility with pipeline cathodic protection systems. This added layer of durability makes it the coating of choice for reinforcing connection points and repairing sections impacted during handling, transport, or installation. By combining robust protection with practical application benefits, Series 423 sets a new standard for field-joint and weld-coating performance.

From its long-lasting durability to its streamlined application process, Series 423 Pipe Armor FJW delivers dependable protection in demanding environments.

This product is offered in user-friendly kit configurations, and it maintains excellent adhesion to steel substrates. Its fast-cure characteristics and high-build film build allow applicators to achieve robust protection in fewer coats, accelerating return-to-service. In addition, Series 423 provides outstanding resistance to cathodic disbondment, helping ensure long-term performance in buried and immersed service conditions.

NEED ASSISTANCE? For help determining the best coating system for your needs, [contact](#) your local Tnemec representative at tnemec.com. They are among the most tenured and knowledgeable experts in the industry and can help you understand the benefits of selecting and applying the ideal coating system on your project.

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