

DuRa Pipe

SURFACE INTEGRITY EVALUATION

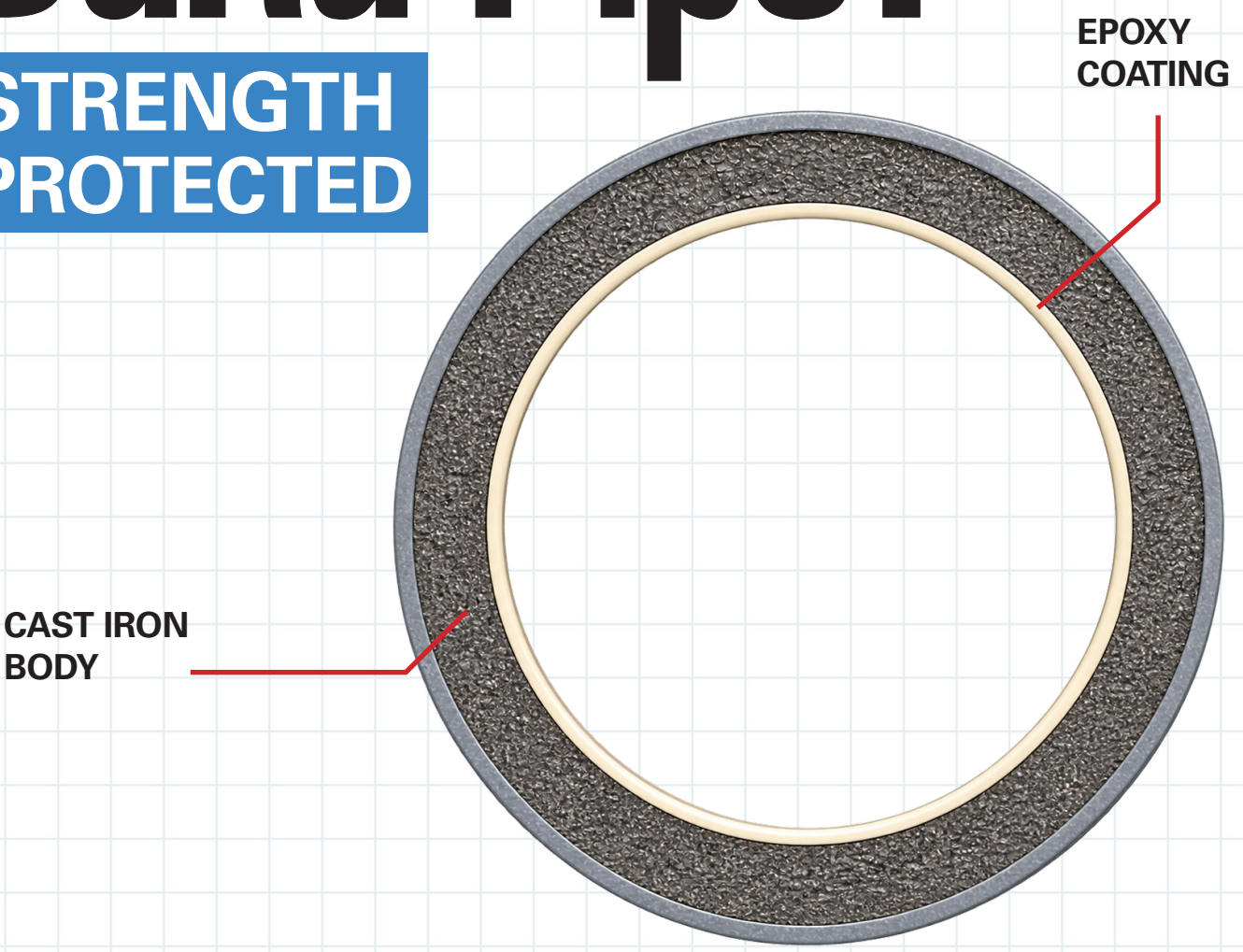
Three tests push the epoxy coating on Cast Iron Soil Pipe to its limits.
The results reveal how DuRa Pipe stands up to abuse.

TECHNICAL OVERVIEW
MCWANE PLUMBING GROUP

AB&I FOUNDRY
anaco-husky
TYLER PIPE & COUPLING

WHAT IS DuRa Pipe?

STRENGTH PROTECTED



DuRa Pipe combines cast-iron strength with an epoxy coating that resists corrosion and abrasion.

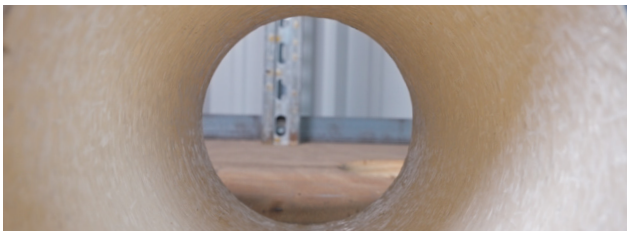
DuRa Pipe is an enhanced epoxy-coated cast iron soil pipe and fitting system engineered for aggressive drain, waste and vent applications. Made in the United States, it begins with McWane's high-quality cast iron and adds a two-component, solvent-free epoxy coating inside and out for additional protection against corrosive environments. Available in No-Hub and Hub & Spigot configurations, DuRa Pipe combines the strength, durability and dependable performance of cast iron with an added layer of protection for demanding settings such as commercial kitchens, hospitals, casinos and other applications exposed to challenging conditions.

MECHANICAL AUGER TEST



TEST METHOD

A mechanical auger is passed through each pipe using an aggressive, abrasive cleaning action. The test evaluates how much of the protective epoxy coating is removed from each pipe and whether the cast iron beneath is left exposed.







VISUAL INSPECTION

All three pipe samples were visually inspected. DuRa Pipe retained the most protection and left the least cast iron exposed, demonstrating superior resistance to mechanical abrasion and supporting lasting performance and a stronger return on investment.

01 DURA PIPE

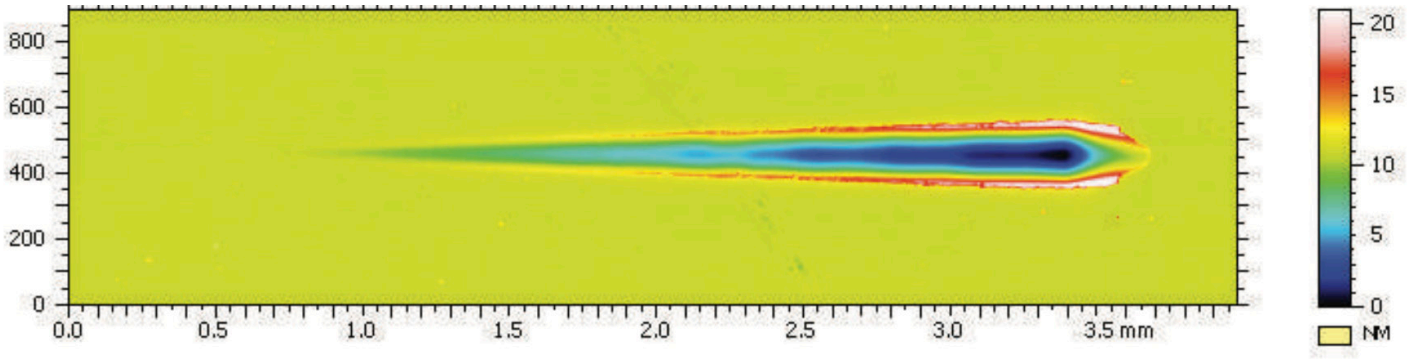
02 LESS EXPOSED

03 MOST EXPOSED

NANOVEA SCRATCH TEST

Measures the force required to penetrate the epoxy coating

UP TO 3X THE FORCE



DURA PIPE REQUIRED UP TO 3X THE FORCE TO PENETRATE THE COATING COMPARED TO COMPETITORS.

Greater coating strength and thickness helps the protective layer remain intact under demanding mechanical conditions, reducing the risk of exposed cast iron and supporting longer-lasting pipe performance.

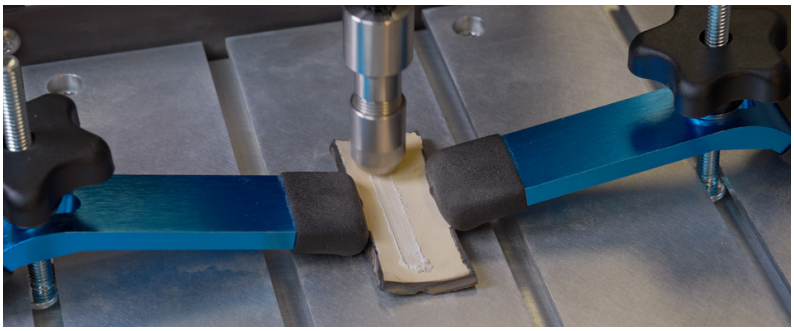
TABER LINEAR ABRASER TEST

REPEATED WEAR. LASTING PROTECTION.

TEST METHOD

The Taber Linear Abraser repeatedly passes an abrasive tool across each coated sample under a controlled load, speed, and stroke length. The test measures how many cycles the coating withstands before it is worn through and the underlying material is exposed.





CYCLES TO COATING FAILURE

COMPETITOR 1

0:30

36 CYCLES

COMPETITOR 2

5:43

344 CYCLES

DURAPIPE

2:44:44

9884 CYCLES

BUILT TO OUTLAST REPEATED ABRASION

DuRa Pipe completed 9884 abrasion cycles before coating failure, dramatically outperforming both competitors. Its greater resistance to repeated mechanical wear helps preserve the protective barrier, reduce the risk of exposed cast iron and support longer-lasting pipe performance.

TESTED STRENGTH

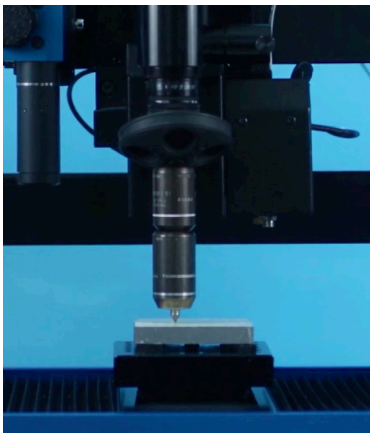
Three testing methods evaluated how DuRa Pipe's protective coating withstands mechanical cleaning, increasing scratch force, and repeated abrasion.



01 MECHANICAL AUGER TEST

LEAST IRON EXPOSED

DuRa Pipe retained the most protective coating after aggressive mechanical cleaning.



02 NANOVEA SCRATCH TEST

UP TO 3X THE FORCE

More force was required to penetrate DuRa Pipe's epoxy coating than the competitor coatings.



03 TABER LINEAR ABRASER TEST

9,884 CYCLES

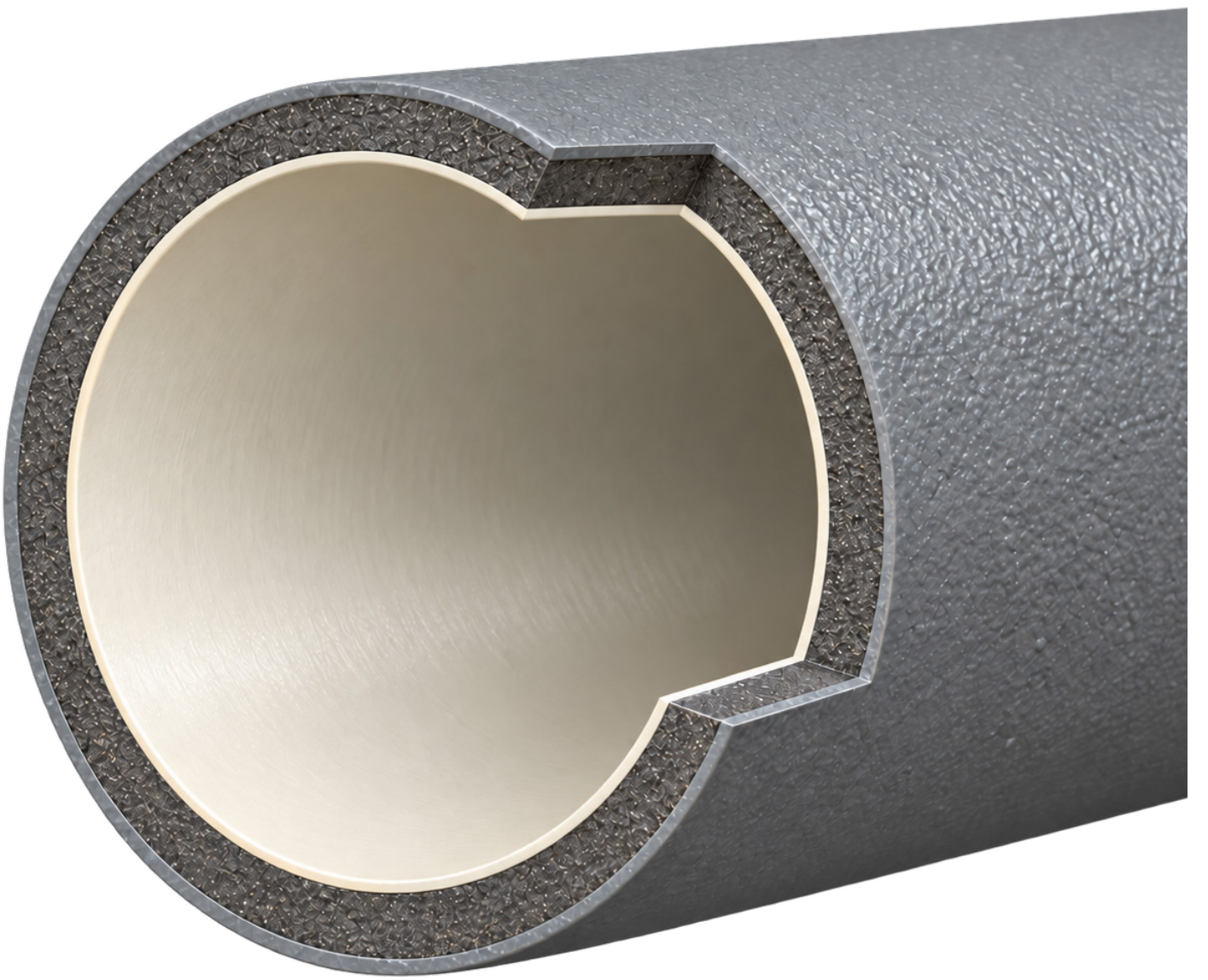
DuRa Pipe withstood repeated abrasion far longer before coating failure.

THE CONCLUSION

DuRa Pipe delivered the lasting protection, durability and confidence needed for stronger long-term performance.

THREE TESTS. ONE CLEAR RESULT.

Together, these results highlight DuRa Pipe's ability to maintain its protective barrier under demanding conditions, helping shield the cast iron beneath.



McWANE

PLUMBING GROUP

SCAN TO WATCH FULL VIDEO

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