

# STEEL: PROVEN 100-YEARS STRONG



## FACT SHEET Service Life

### SPEC STRONG

The reality is that steel pipe is the strongest solution out there, and getting stronger. Since the late 1800's, corrugated steel pipe (CSP) has been serving the stormwater and culvert applications of the engineering world. Today's steel has a proven service life that exceeds 100 years with the proper specifications.

Throughout NCSPA's long history, tens of thousands of installations have been the subject of critical evaluation, including the soil side and the water side of pipe, to establish CSP service life guidelines. A predictable service life can be calculated when the appropriate coating and thickness are specified.

There's a strength that comes from steel's reliability, and when you specify steel, you can be confident that you've chosen a durable drainage product.

### ABOUT NCSPA

The mission of the NCSPA is to promote sound public policy and education relating to the use of corrugated steel drainage systems in private and public construction. The 100-year service life of CSP, along with the industry's highest recycle content, positions steel as the best choice for engineers, specifiers and contractors.

#### ESTIMATED MATERIAL SERVICE LIFE FOR CSP

ESTIMATED SERVICE LIFE	SITE ENVIRONMENTAL CONDITIONS	MAXIMUM FHWA ABRASION LEVEL	MATERIAL
<b>Minimum 100 Years</b>	5.0 ≤ pH ≤ 9.0 r > 1500 ohm-cm	Level 3	Polymer Coated
		Level 2	Aluminized Type 2*
Minimum 75 Years	4.0 ≤ pH ≤ 9.0 r ≥ 750 ohm-cm	Level 3	Polymer Coated
	5.0 ≤ pH ≤ 9.0 r > 1500 ohm-cm	Level 2	Aluminized Type 2
Minimum 50 Years	3.0 ≤ pH ≤ 12.0 r ≥ 250 ohm-cm	Level 3	Polymer Coated
Average 50 Years	6.0 ≤ pH ≤ 10.0 2000 ≤ r ≤ 10,000 ohm-cm > 50 ppm CaCO <sub>3</sub>	Level 2	Galvanized

\* 14 gauge minimum.

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Steel lasting a century – that's the real deal that engineers, specifiers and contractors can depend on. With 100-year service life on the greenest and most cost-effective product in the marketplace, the new steel is the proven choice for today's environments.



To get the facts on the service life and flexibility of today's CSP and more, visit [www.RealDealOnSteel.com](http://www.RealDealOnSteel.com).



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