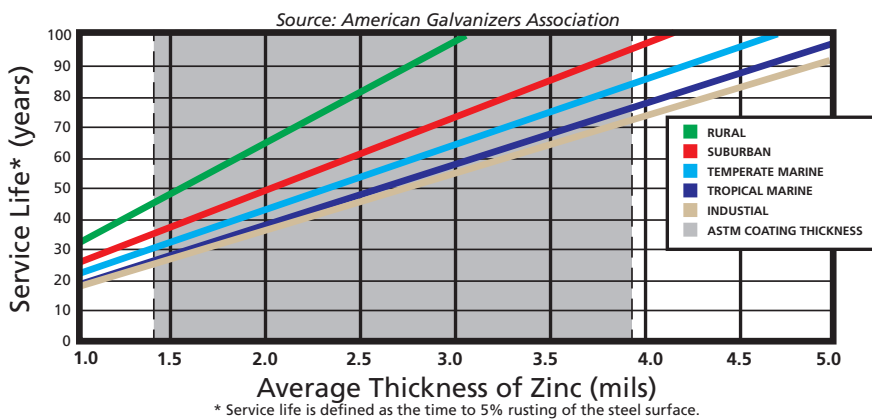


GALVANIZED ANGLE LINTELS

The long life of galvanized steel angle lintels reduces the chances of costly rust jacking, a problem that occurs when lintel corrosion causes severe expansion cracking or shifting in brickwork. Hot-dip galvanized steel has been used for decades to resist corrosion in the most severe environments.

The unique chemistry of zinc galvanizing actually reacts in the presence of water to create rust-resistance at the point of any surface damage.

South Atlantic's galvanizing process creates alloy layers on the surface that are actually harder than many base steels.



The Service Life Chart (SLC) was developed based on decades of corrosion rate data collected from galvanized steel samples exposed to the five defined environments in cities all over the world, and a corrosion prediction model based on statistical methods and neural network technology.

ADDS .003% TO THE COST AND 100% TO OWNER SATISFACTION

On a typical 2,000 sq. ft. home, using galvanized lintels adds less than \$100 to the cost. But its long life prevents rust problems and costly repairs later. You'll be glad you specified galvanized and so will the homeowner.

See the back for more information.



CHOOSE GALVANIZED LINTELS
AND PREVENT COSTLY REPAIRS FROM
OXIDE JACKING

As ferrous metals oxidize they rust, this rust converts the iron or steel surface into an oxide scale that can reportedly grow up to ten times the thickness of the original structural element. In other words, a steel lintel embedded in a masonry wall and supporting the brick above a window or door header can grow in height **from .375 inches to nearly 3.75 inches...** What is difficult to believe is that the rust scale grows with an incredible amount of force. The upward or outward growth of the ferrous scale can easily move entire veneer sections or if restrained, crush the masonry in contact with it. Veneer anchors (wall ties) are typically designed to keep the masonry from moving laterally. Upward movement of the veneer will often disconnect or break the veneer ties... We call this movement of the masonry by the structural elements **Oxide Jacking.**

Once Oxide Jacking has begun, the only way to stop it is to remove the masonry and protect or replace the iron or steel element or keep the metal totally dry. Obviously, keeping the metal totally dry is not an option in the real world!

—Bob Mitchell, Estimator
Pioneer Masonry Restoration Company, Inc.
PO Box 70110 , Seattle, WA 98127

COST TO REPLACE A RUSTED OUT LINTEL:
"About a grand to \$1250 per if one is doing several of them... If it's just a single lintel, I doubt it'd be less than a couple grand."

— www.inspectorsjournal.com

**Don't let Oxide Jacking
Ruin Your Buildings.**

**Spec Galvanized
Lintels.**

