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Unistrut Finish - Pre-Galvanized Zinc (PG)	
Pre-Galvanized	l Zinc (PG):
ASTM A	653
Pregalvanized steel is zinc coated by a hot dip process. Steel strip f fluxes and coats the steel with molten zin The pregalvanized zinc coating conforms to a G The zinc thickness is .75 MIL or . This coating is offered on Unistrut channel and tubing and is a application	nc. After cooling, the steel is recoiled. 6-90 thickness designation per ASTM A653. 45 oz./sq. ft. of surface area. well-proven, time-tested performer for indoor and outdoor
For severe corrosion applications	use hot dip galvanizing (HG).
Zinc Coating	
Unistrut products are available in three types of zinc coatings:	
<ul> <li>Electroplated (EG)</li> <li>Perma-Gold (ZD)</li> <li>Pregalvanized (PG)</li> <li>Hot Dip Galvanized (HG)</li> </ul>	Life of Protection vs. Thickness of Zinc and Type of Atmosphere
Zinc coatings offer two types of protection:	* Service Life is defined as the time to 5% rusting of the steel surface 80 11 21 32 43 54 65 75 86 97 108 118 129
<ul> <li>Barrier: The zinc coating protects the steel substrate from direct contact with the environment.</li> <li>Sacrificial: The zinc coating will protect scratches, cut edges, etc. through an anodic sacrificial process.</li> <li>The service life of zinc coating is directly related to the zinc coating thicknessas shown below.</li> </ul>	70 Service Life, Years 90 90 90 90 90 90 90 90 90 90 90 90 90
Comparison of Zinc Galvanized Finishes	20
<ul> <li>Hot Dip Galvanized - 2.6 MIL</li> <li>Pregalvanized - 0.75 MIL</li> </ul>	10 Oz. of Zinc/Sq. Ft. of Surface
<ul> <li>Electro-Galvanized (SC1) - 0.2 MIL</li> <li>Electro-Galvanized (SC3) - 0.5 MIL</li> </ul>	.25 .50 .75 1.00 1.25 1.50 1.75 2.00 2.25 2.50 2.75 3.00 Thickness of Zinc in Mils 0.4 0.8 1.3 1.7 2.1 2.6 3.0 3.4 3.8 4.2 4.7 5.1
<ul> <li>Perma-Gold (SC1) - 0.5 MIL</li> <li>Perma-Gold (SC3) - 0.5 MIL</li> </ul>	
As shown in the graph, when the zinc coating is double, the service life is double under most conditions.	