

# Corrosion Glossary

---

**u-bend specimen**

Horseshoe-shaped test piece used to detect the susceptibility of a material to stress corrosion cracking.

**ultimate strength**

The maximum stress (tensile, compressive, or shear) a material can sustain without fracture, determined by dividing maximum load by the original cross-sectional area of the specimen. Also called nominal strength or maximum strength.

**underfilm corrosion**

Corrosion that occurs under organic films in the form of randomly distributed threadlike filaments or spots. In many cases this is identical to *filiform corrosion*.

**uniaxial stress**

See *principal stress (normal)*.

**uniform corrosion**

(1) A type of corrosion attack (deterioration) uniformly distributed over metal surface. (2) Corrosion that proceeds at approximately the same rate over a metal surface. Also called general corrosion.