

A Guide to Aqueous Corrosion

(All alloys listed are resistant to chloride cracking)

	Sulfuric-Acid	Hydrochloric-Acid	Hydrofluoric-Acid	Phosphoric-Acid	Nitric-Acid	Organic Acid	Alkalis and Salts	Seawater
Nickel 200	◇	◇	✱	◇	—	✱	✱	✱
Nickel 201	◇	◇	✱	◇	—	✱	✱	✱
DURANICKEL® Alloy 301	◇	◇	✱	◇	—	✱	✱	✱
MONEL® Alloy 400	✱	◇	✱	✱	—	✱	✱	✱
MONEL® Alloy R-405	✱	◇	✱	✱	—	✱	✱	✱
MONEL® Alloy K-500	✱	◇	✱	✱	—	✱	✱	✱
INCONEL® Alloy 600	◇	—	◇	◇	—	✱	✱	◇
INCONEL® Alloy 22	✱	✱	✱	✱	✱	✱	✱	✱
INCONEL® Alloy 625	✱	✱	✱	✱	✱	✱	✱	✱
INCONEL® Alloy 625LCF	✱	✱	✱	✱	✱	✱	✱	✱
INCONEL® Alloy 686	✱	✱	✱	✱	◇	✱	✱	✱
INCONEL® Alloy 690	◇	◇	✱	✱	✱	✱	✱	◇
INCONEL® Alloy 718	◇	◇	◇	◇	◇	✱	✱	✱
INCONEL® Alloy 725	✱	✱	✱	✱	✱	✱	✱	✱
INCONEL® Alloy C-276	✱	✱	✱	✱	◇	✱	✱	✱
INCONEL® Alloy G-3	✱	✱	✱	✱	✱	✱	✱	✱
INCONEL® Alloy 050	✱	✱	✱	✱	✱	✱	✱	✱
INCOLOY® Alloy 800	◇	✱	—	◇	✱	✱	◇	◇
INCOLOY® Alloy 825	✱	✱	✱	✱	✱	✱	✱	✱
INCOLOY® Alloy 864	◇	◇	◇	◇	✱	✱	✱	✱
INCOLOY® Alloy 925	✱	✱	✱	✱	✱	✱	✱	✱
INCOLOY® Alloy 020	✱	✱	✱	✱	✱	✱	✱	✱
INCOLOY® Alloy 25-6MO	✱	✱	◇	✱	✱	✱	✱	✱
INCOLOY® Alloy 028	◇	✱	◇	◇	◇	✱	✱	✱

✱ = good to excellent

◇ = acceptable

— = not suitable