Scale Formation
The most common cause of performance loss, scale formation cannot be reduced with material upgrades as all are susceptible to scale formation. Coil configuration along with water treatment are methods used to combat scale. To further reduce scale, select a model with optimal coil configuration, such BAC’s CXVB and CXVT.

Corrosion
There are three types of corrosion that can affect your evaporative condenser: white rust, under deposit corrosion, and biological fouling. White rust is dependent on material as it forms only on galvanized surfaces. Choose an upgraded construction if white rust is a potential problem for you.
Get the **Best Value** with Material Options For Every Customer

### Matching Construction Solutions to Customers Needs

**Customer 1**
I’ve always had galvanized units and never had any issues. First cost is also important to me.

**Customer 2**
I am concerned with protecting areas most susceptible to corrosion.

**Customer 3**
Reliability is important and I want to maximize the value of my investment.

**Customer 4**
I have a harsh environment and am willing to pay for longevity.

### Learn More About Each Construction Option to Make the Best Choice

#### Areas Vulnerable to Corrosion

1. **BASIN**
   The first and most common point of long-term corrosion failure

2. **SUBMERGED COMPONENTS**
   Submerged areas other than the basin are the next common point of long-term failure

3. **WET/DRY AREAS**
   The side panels are most susceptible to white rust

4. **COIL** (N/A for Open Cooling Towers)
   Coil failure is rare and with proper water treatment is not a common factor affecting the longevity of the unit

#### Standard Construction

- **Cold Water Basin**: Heavy Mill G-235 Galvanized Steel
- **Submerged Components**: Heavy Mill G-235 Galvanized Steel
- **Wet/Dry Areas**: Heavy Mill G-235 Galvanized Steel
- **Coil**: Hot Dip Galvanized Industrial Gauge Steel
- **Warranty**: 1 year

#### TriArmor® Corrosion Protection System

- **An economical option for milder environments and any budget**
- **Upgraded materials featuring a three layer system designed to withstand tougher environmental conditions**
- **Optimal corrosion resistance for all vulnerable components at an unbeatable value**

- **TriArmor® System**
- **Heavy Mill G-235 Galvanized Steel**
- **Heavy Mill G-235 Galvanized Steel**
- **Hot Dip Galvanized Industrial Gauge Steel**
- **1 year**

- **Stainless Steel**
- **Stainless Steel**
- **Hot Dip Galvanized Industrial Gauge Steel OR Stainless Steel**
- **10 year**

**NOTE**: A stainless steel coil is available as an upgradeable option with EVERTOUGH Construction.