

COMMON  
OCCURRENCES  
FACING EVAPORATIVE  
CONDENSERS

### 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.



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# Evaporative Condenser Material Options to Match your Needs and Maximize Value

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# Get the **Best Value** with Material Options For Every Customer

## 1 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

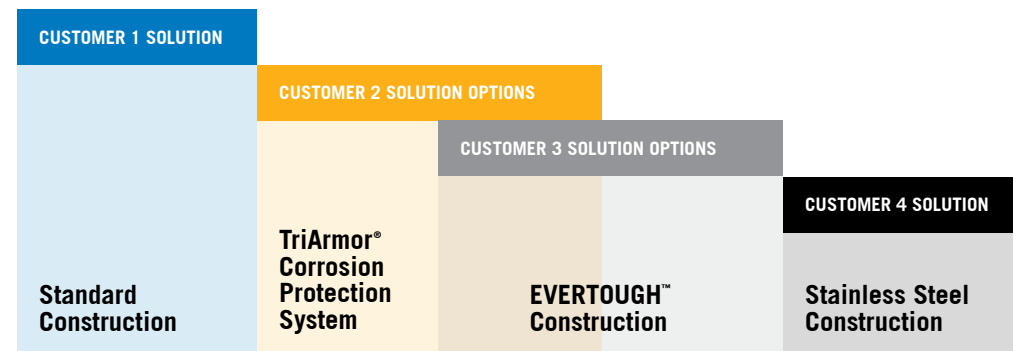
I am concerned with protecting areas most susceptible to corrosion.

### 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.



## Areas Vulnerable to Corrosion

### 1 BASIN

The first and most common point of long-term corrosion failure

### 2 SUBMERGED COMPONENTS

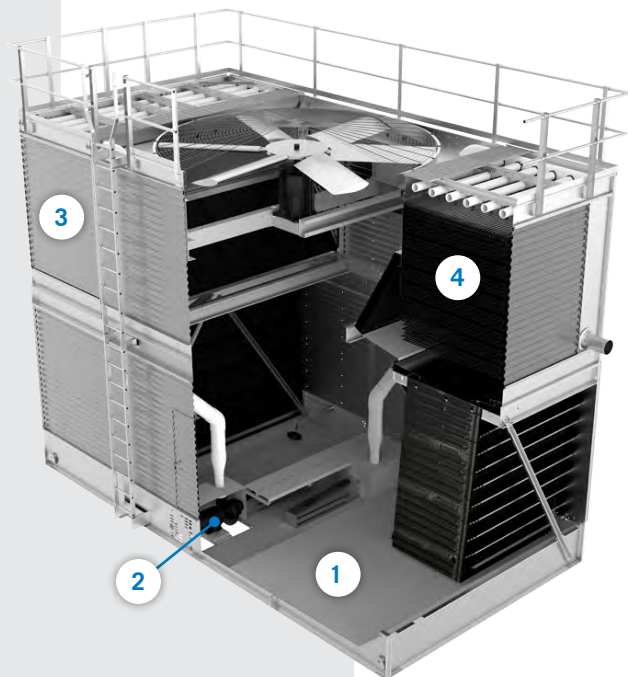
Submerged areas other than the basin are the next common point of long-term failure

### 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 effecting the longevity of the unit



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



### Standard Construction

An economical option for milder environments and any budget

### TriArmor® Corrosion Protection System

Upgraded materials featuring a three layer system designed to withstand tougher environmental conditions

### EVERTOUGH™ Construction

Optimal corrosion resistance for all vulnerable components at an unbeatable value

### Stainless Steel Construction

Stainless steel is a great option for increased longevity

Cold Water Basin	Heavy Mill G-235 Galvanized Steel	TriArmor® System	TriArmor® System	Welded Stainless Steel
Submerged Components	Heavy Mill G-235 Galvanized Steel	Stainless Steel	Stainless Steel	Stainless Steel
Wet/Dry Areas	Heavy Mill G-235 Galvanized Steel	Heavy Mill G-235 Galvanized Steel	Thermosetting Hybrid Polymer	Stainless Steel
Coil	Hot Dip Galvanized Industrial Gauge Steel	Hot Dip Galvanized Industrial Gauge Steel	Hot Dip Galvanized Industrial Gauge Steel <b>OR</b> Stainless Steel	Hot Dip Galvanized Industrial Gauge Steel <b>OR</b> Stainless Steel
Warranty	1 year	10 year	5 year (10 year basin)	5 year



**BEST VALUES**



**EVERTOUGH**  
CONSTRUCTION

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