

COMMON  
OCCURRENCES  
FACING  
CLOSED CIRCUIT  
COOLING TOWERS

### 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 as BAC's FXV and FXV3.

### 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.



COOLING TOWERS

CLOSED CIRCUIT COOLING TOWERS

ICE THERMAL STORAGE

EVAPORATIVE CONDENSERS

HYBRID PRODUCTS

PARTS & SERVICES

Closed Circuit Cooling Tower  
**Material Options**  
to Match your Needs  
and Maximize Value

[www.BaltimoreAircoil.com](http://www.BaltimoreAircoil.com)

7600 Dorsey Run Road, Jessup, MD 20794 › Telephone: (410) 799-6200 › Fax: (410) 799-6416

© 2017 Baltimore Aircoil Company

# 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

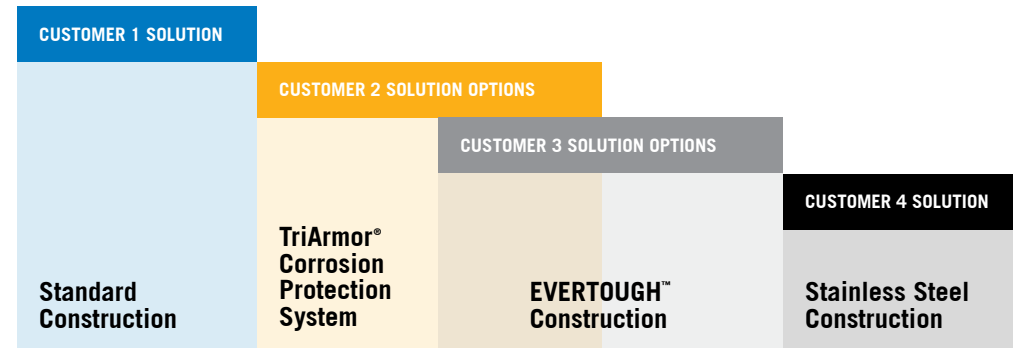
I am concerned with protecting areas most susceptible to corrosion.

### 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 COLD WATER BASIN

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

### 2 SUBMERGED COMPONENTS

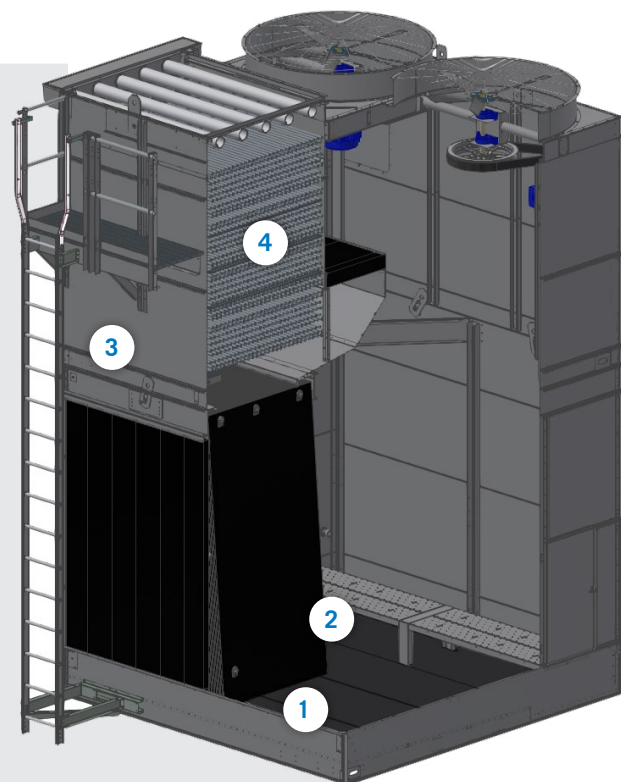
Submerged areas other than the basin are the next common point of long-term failure

### 3 WET/DRY AREAS

The side panels are most susceptible to white rust

### 4 COIL

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

### TriArmor® Corrosion Protection System

- 1 G-235 HEAVY GALVANIZED STEEL BASIN
- 2 THERMOSETTING HYBRID POLYMER COATING
- 3 IMPERMEABLE POLYURETHANE BARRIER



### Standard Construction

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

### 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	5 year	5 year	5 year

**BEST VALUES**