

## Tech Note #9: Mounting Screw Compatibility

Registered to ISO 9001:2000

When selecting mounting screws for AmesburyTruth, coating compatibility is one of the most important criteria. For best corrosion resistance, the coating on the screws should be the same as the coating on the hardware. For example: stainless steel screws should be used to fasten stainless steel components to the window or door. If steel screws were to be used, a galvanic corrosion problem would develop between the dissimilar metal of the screws and the components. This would result in the screw heads rusting which could eventually break off.

The following compatibility chart will help you select screws which will work for each type of coating and hardware material you may encounter.

| Part Finish                  |                         |                        |                                    |                    |                           |
|------------------------------|-------------------------|------------------------|------------------------------------|--------------------|---------------------------|
| Mounting Screw Finish        | E-Gard on Steel or Zinc | Paint on Steel or Zinc | Brushed Copper Nickel on Cast Zinc | CoastGard on Steel | Austentic Stainless Steel |
| Zinc plated                  |                         |                        |                                    |                    |                           |
| Cadmium Plated Steel         |                         |                        |                                    |                    |                           |
| E-Gard Coated Steel          | Recommended             | Recommended            |                                    |                    |                           |
| CoastGard Plated             |                         |                        |                                    | Recommended        |                           |
| Paint over Zinc Plated Steel |                         | Recommended            |                                    |                    |                           |
| Cadmium plated 410           |                         |                        |                                    |                    |                           |
| Zinc plated 410 stainless    |                         |                        |                                    |                    |                           |
| 410 Stainless Steel          |                         |                        |                                    |                    |                           |
| Austentic Stainless Steel    |                         |                        | Recommended                        |                    | Recommended               |

|             |            |              |
|-------------|------------|--------------|
| RECOMMENDED | ACCEPTABLE | UNACCEPTABLE |
|-------------|------------|--------------|