



**IG ECOCOAT™**  
**COMMERCIAL**  
**CLEAN FINISH**

# Introduction



## Manufacturing and Fabricating Excellence

IG EcoClean™ is a cleaning process developed by Interstate Gratings to clean and treat Stainless Steel to reduce the chemical reactivity of its surface. This process descales, cleans, and passivates stainless steel surfaces. (In accordance to the latest ASTM A967 specifications that outline approved methods for chemical passivation treatments for stainless steel)



## Specifications:

### ASTM A967-17

The tests in this specification are intended to confirm the effectiveness of passivation, particularly with regard to the removal of free iron and other exogenous matter. These tests include the following practices:

- 1.4.1 Practice A - Water Immersion Test,
- 1.4.2 Practice B - High Humidity Test,
- 1.4.3 Practice C - Salt Spray Test,
- 1.4.4 Practice D - Copper Sulfate Test,
- 1.4.5 Practice E - Potassium Ferricyanide-Nitric Acid Test,
- 1.4.6 Practice F - Damp Cloth Test, and
- 1.4.7 Practice G - Boiling Water Immersion Test.

Section 13.3 of the ASTM A967-17 specification states "One of the tests listed in Section 14, or more when specified on the purchase order, shall be performed on each lot of stainless steel parts to verify the effectiveness of the passivation treatment. It is important to note that not all of the following tests are suitable for all grades of stainless steel. (See Note 7.)"

With IG EcoClean™ Interstate Gratings has gone above and beyond the testing requirements listed. Our process has met and exceeded these tests.



*\*\*Some of the tests may produce positive indications not associated with the presence of free iron on the stainless steel surface. An example would be application of Practice C on some lesser-alloyed martensitic or ferritic stainless steels.*

## IG EcoClean™

- ✓ A uniform, matte finish is achieved by abrasive blasting followed by passivation to remove manufacturing contaminants.
- ✓ In accordance with the ASTM specification A380-06 (section 5.3) that outlines approved mechanical descaling methods, our process includes an abrasive blasting prior to being chemically treated.
- ✓ We follow both the ASTM A380-06 and A967-17 specifications for chemical treatment and coating to achieve a true passivated finish on our products.

