

## TH604 Anti-Slip & Anti Corrosion



The purpose of the ceramic composite coating is to provide a wear resistance surface while also providing corrosion protection of the coated object. The coating material, a "Ceramic Core" tubular **non slip / anti skid aluminum spray wire** is filled with up to 46% ceramic, when sprayed onto an object produces a ceramic composite coating of aluminum and ceramic. The aluminum spray wire serves as a binder for the hard ceramic and provides the corrosion protection to the underlying article, the ceramic material provides for wear resistance and adds long life to the coating.

The twin wire arc spray process is used to apply the material and form a coating, this process is simple, easy to learn, highly productive, and economical to operate. The process can be controlled to produce coatings with a surface profiled of different degree of roughness from slight to a very aggressive rough surface. Aluminum spray wires are known to provide long term corrosion protection to steel and this material duplicates the long-term protection plus the benefits of high wear properties. This coating system is especially beneficial for use on steel and aluminum, however it can be applied to other metals and materials, including concrete and plastics.

Material Composition	Part #	Diameter	Packaged	Weight
<b>Aluminum</b>				
<b>Non Skid Ceramic Core</b>	TH604	1/8" (3.2mm)	Spool	20# (9.1kgs)
<b>Non Skid Carbide Core</b>	TH605	1/8"(3.2mm)	Spool	20# (9.1kgs)

### Coating Qualities

- Continuous Safe Conditions For Customers, Personnel & Vehicle Traffic
- Affordable
- Long Lasting (10 years min.)
- Attractive
- Can Be Cleaned By Scrubbing and/or Pressure Washing
- Protects Steel Surface From Corrosion
- Will Not Peel Due to Undercoat Corrosion
- Applicable to Steel and Aluminum

### Coating Properties

- High Bond Strengths (2500 psi) using portable tester
- Resistant To Wear (Ceramic Rc60+)
- Resistant to Impact (Passes US Navy Ball Drop Test)
- Withstands Flexing (Passes Bend Tests)
- Resists Oils and Fuels
- Coefficient of Friction (1.1 average)
- Unaffected By Weather or Sun
- Resistant to Cracking

## Benefits of Coating System

- Continuous Safe Non-Slip Surfaces
- Variable Surface Textures and Profiles
- Usable on All Metals
- Immediately Usable No Cure Time
- Apply at all Temperatures
- Use in all Weather Environments
- Can be Colored
- No VOCs
- Highly Wear Resistant and Long Lasting
- Low Tech Application Methods
- Not Environmentally Sensitive
- Non Hazardous and Non Combustible Coating

## Application Details

- Bond Strength up to 2,000 PSI
- Spray Rate 240 Ft<sup>2</sup>/Hr
- Coverage 3-12 Ft<sup>2</sup>/Lb
- Material Costs \$1.10-\$4.30 Per Ft<sup>2</sup>

## Life Cycle Cost

- Low Initial Application
- 10 Year Life Expectancy
- No Maintenance Required
- Damage Resistant
- Lawsuit Resistant
- Permanently Safe Surface

