

TruZinc

Zinc Rich Powder Coatings

TruZinc™ Primers protect ferrous substrates by two mechanisms. First, they act as a barrier to water and electrolytes increasing the electrical resistance of the corrosion cell. Second, they provide zinc which acts as a sacrificial anode. TCI product 7520-70138 is the first in the TruZinc™ Primer brand containing TruZinc™ properties.

TruZinc™ Primers are manufactured using a unique process developed by TCI that allow us to introduce a significantly greater amount of zinc during the extrusion process. This increase in the zinc content dramatically increases protection of the substrate against corrosion.

TruZinc™ Primers can be used as a single coat system or as a primer in a multi-coat system. When used as a primer in a powder topcoat system that primer should be melted or partially cured before top-coating to insure optimum intercoat adhesion.

As a coating based on epoxy technology, TruZinc™ Primers do not have good gloss retention when exposed to sunlight. If appearance stability is required on coated materials, an exterior durable topcoat is required.

Topcoats applied over TruZinc™ Primer may be solvent or waterborne coatings. Intercoat adhesion testing should be performed prior to production to help establish procedures that provide best performance. With each application, testing is recommended to determine the variables influencing coating system performance. Variables can include substrate and pretreatment characteristics, primer and topcoat film thickness, and end usage environments.

Contact TCI for more information.
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Commercial Uses

TCI's TruZinc™ Primers are the benchmark for corrosion assistance and may be utilized where high performance requirements are demanded. A number of applications TruZinc™ Primers are ideally suited for include:

- ▶ Coil Springs
- ▶ Suspension Components
- ▶ Patio Furniture
- ▶ Marine Environments
- ▶ Control Arms
- ▶ Trailer Hitches
- ▶ Torsion Bars
- ▶ Spring Clips
- ▶ Wheel Weights
- ▶ Tow Hooks

TRUZINC™ 7520-70138

Commercial Uses		
Attribute	Test Method	Result
Color	Visual	Gray
Dry Film Thickness	ASTM D 1186-93	2.0-6.0 mils
Gloss @ 60	ASTM D 523-94	50%-60%
Cross Hatch Adhesion	ASTM D 3359-95B	5B
Hardness	ASTM D 3363-92A	2H-3H
Impact Resistance	ASTM D 2794-93 Direct Reverse	100-lbs, No Cracking 100-lbs, No Cracking
Gravelometer (Chip Resistance)	ASTM D 3170-91 (SAE J400)	5A
Humidity Resistance	ASTM D 2247-94 (>6000 Hours)	No Loss of Adhesion, Blister Grade 10
Salt Spray Resistance	ASTM D 117-94	(>6000 hours) <2mm Creep, Blister Grade 10 (X-SCRIBE)