CHESTERTON
Global Solutions, Local Service.

752

COLD GALVANIZING COMPOUND



PRODUCT DATA SHEET

APPLICATION AREAS

- *Steel Surfaces, Structures and Equipment*
- *Machinery*
- *A/C Units*
- *Automotive*
- *Marine*
- *Mining*
- *Drilling Structures*

KEY FEATURES AND BENEFITS

- 95% pure zinc in dried film
- Fast drying, no heat required
- 3 way corrosion protection
- Flexible, one-part system
- Conforms to MIL-P-46105, MIL-P-21035, MIL-P-26915

PACKAGING

Aerosol
2.7kg

DIRECTIONS

Surface must be free from dirt, oil, grease, moisture, rust, lint etc. For best results, sandblasting is recommended. However, in many cases, power tool cleaning or hand tool cleaning will be sufficient. Application may be made either by brush, spray or roller. When brushing, care should be taken not to brush material out too thin. Doing so will result in low film build and brushmarks. Stir thoroughly before using. Never thin with more than one pint solvent to one gallon of paint except in roller applications where this figure may be increased to 1 1/2 pints per gallon. Use only xylol. For clean up, any aromatic hydrocarbon may be used.

DESCRIPTION

Chesterton® 752 Cold Galvanizing Compound functions both as a zinc rich primer or final coating for ferrous metals and their welds exposed to atmospheric or corrosive conditions. The product deposits a 95% pure zinc coating that bonds to metal protecting it against corrosion both physically and by galvanic action. The ultra-fine particles of pure zinc that make up the product provide three mechanisms of corrosion protection: 1. Barrier Protection: Because the product has such a high solids content of ultra-fine zinc particles it forms an extremely tight non-porous barrier against corrosion. 2. Galvanic Protection: When two dissimilar metals are connected in an electrolyte, the metal with the lower potential becomes the anode and will preferentially corrode. This is the principle behind a zinc based coating. Zinc is a more anodic metal than steel and will preferentially corrode, thereby providing a sacrificial layer and leaving the steel below it protected against oxide formation. 3. Zinc Oxide Protection Scrapes: in the coating are self-healing as the exposed zinc forms more zinc oxide preventing rust from creeping under areas still coated.

TYPICAL PHYSICAL PROPERTIES

Appearance	Gray
Zinc Content (Dried Film)	95%
Coverage (at 2 to 3 mil) (0,05-0,08 mm) (270-400 sq ft/gal)	6,6-9,8 m^2/l
Drying Time at 21°C (70°F) Tack Free/Complete	Touch: 15 Minutes
Application Temperature	10°C to 38°C (50°F to100°F)
Maximum Operating Temperature	Up to 149°C (300°F)
Density	2.9 kg/l (24 lbs/gal)
Impact Resistance (ASTM D 2794) Extrusion Intrusion	 0,46 m-kg (40 in-lb) >0,92 m-kg (>80 in-lb)
Corrosion Resistance (ASTM B 117) 5% Salt Fog @ 38°C (100°F)	2500 hours
Diluent	Xylol

Before using this product, please refer to Safety Data Sheet (SDS).

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