

# Zinc (Devcon Z)

<b>Description:</b>	Devcon Zinc Cold Galvanizing Compound is a zinc-rich epoxy coating (93% zinc in dried film) that protects iron and steel from rust and corrosion. It is heat resistant to 300°C (dry) and 100°C (wet).
<b>Intended Use:</b>	Seal and protect steel from corrosion;
<b>Product features:</b>	<b>High zinc concentration in dry film.</b> <b>Long term protection.</b> <b>Easy to apply aerosol application.</b> <b>May be used under powder coatings.</b> <b>TT-P-6416 Galvanized Repair authorised by USDA for use in federally inspected meat and poultry plants.</b> <b>AsureQuality approved for Dairy Industry, Food Areas (non-contact)</b> <b>NZFSA C23 (all animal product except dairy)</b>
<b>Limitations:</b>	None

**Typical Physical Properties:**

*Technical data should be considered representative or typical only and should not be used for specification purposes.*

**Cured 7 days @ 24° C**

<b>Colour:</b>	<b>Grey</b>
<b>Dry Time:</b>	<b>20 minutes</b>
<b>Recoat Time:</b>	<b>8 hours</b>
<b>Service Temperature:</b>	<b>-45°C to 300°C</b>
<b>Salt Spray Resistance:</b>	<b>1500 hours</b>
<b>Coverage:</b>	<b>Up to 1.75 m<sup>2</sup> / 350 g can</b>

**TESTS CONDUCTED**

Salt Spray Resistance ASTM B115

**Surface Preparation:**

1. Thoroughly clean the surface with Devcon® Surface Cleaner to remove all oil, grease, and dirt and rust.
2. Grit blast surface area with 8-40 mesh grit, or grind with a coarse wheel or abrasive disc pad, to create increased surface area for better adhesion (Caution: An abrasive disc pad can only be used provided white metal is revealed). Desired profile is 25 - 75 µm.

Note: For metals exposed to sea water or other salt solution, grit-blast and high-pressure-water-blast the area, then leave overnight to allow any salts in the metal to "sweat" to the surface. Repeat blasting to "sweat out" all soluble salts. Perform chloride contamination test to determine soluble salt content (should be no more than 40ppm).

3. Clean surface again with Devcon® Surface Cleaner to remove all traces of oil, grease, dust, or other foreign substances from the grit blasting.
4. Coat surface as soon as possible to eliminate any changes or surface contaminants.

**WORKING CONDITIONS:** Ideal application temperature is 13°C to 32°C. In cold working conditions, heat repair area to 38 - 43°C immediately prior to applying to dry off any moisture, contamination, or solvents, as well as to assist coating in achieving maximum adhesion properties.

**Mixing Instructions:**

Shake can vigorously for 2 minutes after agitator ball moves freely.  
Shake can frequently during use.

---- Proper homogenous mixing is essential for the curing and development of stated properties. ----

**Application Instructions:**

1. Ensure nozzle is pointing away from you before depressing.
2. Hold can approximately 30 cm from the surface and spray with sweeping motion.
3. Apply 2 - 3 light coats, 60 seconds apart.
4. Recoat time 8 hours.

**Storage:**

Store at room temperature.

**Compliances:**

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<b>Chemical Resistance:</b>	Very good resistance to water, oil and petrol. Not recommended for permanent immersion.
<b>Precautions:</b>	Please refer to appropriate material safety data sheet (MSDS) prior to using this product. <b>For technical assistance, please call 1800-063-511</b> <b>FOR INDUSTRIAL USE ONLY</b>
<b>Warranty:</b>	Devcon will replace any material found to be defective. Because the storage, handling and application of this material is beyond our control, we can accept no liability for the results obtained.
<b>Disclaimer:</b>	All information on this data sheet is based on laboratory testing and is not intended for design purposes. ITW Polymers & Fluids and Devcon makes no representations or warranties of any kind concerning this data.
<b>Order Information:</b>	D12000 350 g

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