

# ZincDek Cold Galv Paint



## DESCRIPTION

One component solvented air drying, metallic zinc pigmented Coating

## INTENDED USE

*Speccoats ZinkDek Cold Galv Paint* is organic based zinc rich Coating, providing anti-corrosion protection to steel substrates, for the use under a range of topcoat systems in corrosive environments.

## PRODUCT FEATURES

- Provides galvanic protection and prevents under-film corrosion.
- Can be over-coated by a range of topcoats – acrylics, epoxies, polyurethanes, vinyl's etc..
- Protects the substrate from rust creep at areas of damage.
- Adheres well to abraded steel and galvanized substrates.
- Can be used for repair of damaged galvanized surfaces.
- Can be used as a touch-up primer for inorganic zinc primers.
- Dry service temperature up to 60°C

## LIMITATIONS

- Containers may swell in time due to Gas generation – Open and replace lid.
- The product requires continuous agitation during application to keep the zinc in suspension.
- Not resistant to acids or alkali outside the pH range of 6 to 8.
- The surface develops an alkali nature with time and therefore is not suitable for alkyd or oil-based topcoats.
- Solvent based topcoats should preferably be sprayed. The coating will soften when exposed to solvents.

## STANDARD COLOUR AVAILABILITY

Grey



## PRODUCT INFORMATION

Product Data	
Components	1
Percentage Zinc in Dry Film	>90%
Volume Solids	44%
Zinc Grain Size	5.4µm
V.O.C	473 grams / litre
Density	2.7 kg/litre
Film Thickness	Wet – 110 µm Dry – 50µm
Spreading Rate	• 9m <sup>2</sup> /lt at 50µm DFT
Temperature Resistance	60°C Dry

## PACKAGING

- 500ml, 1lt & 5lt Tins



## SURFACE PREPARATION

- Degrease surfaces with **Speccoats Hydrosolve** followed by a high pressure water rinse
- **Steel surfaces** - Grind and fettle weld spatter, protrusions & sharp edges to a minimum radius of 2mm
- Abrasive blast clean to grade SA 2 ½ of ISO 8501-1 with a blast profile 40- 50µm
- Alternatively mechanically abrade the surface using grinding discs to achieve a similar profile
- Surface must be free from any surface contaminants such as oils, grease, dust etc.
- **Galvanized Surfaces** – Clean the area to be protected to “white metal” condition and abrade the surrounding galvanizing. Clean using a solvent wipe prior to application. Do not coat un-abraded areas







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## APPLICATION

### Mixing – Single Component

- Stir the paint well with a flat-bottomed paddle or mechanical mixer until product is uniform. Continue stirring until the mixture is homogeneous. Stir again immediately prior to use.

### Application – Equipment & Methods

 Brushes	Apply uniform, even coating with high quality brushes from Speccoats
 Rollers	Apply uniform, even coating with short pile rollers from Speccoats
 Airless Spray	Pump Ratio - 30 to 1 Min Nozzle Orifice - 11 to 15 Thou Tip Pressure - 145 Bar Min
 Conventional Spray	<ul style="list-style-type: none"> <li>Air Assisted Airless</li> <li>Pressure Pot - Pressure Feed Gun</li> <li>Gravity Feed Gun</li> <li>Various Nozzle sets are available to suit the guns</li> </ul>

### Thinning

- If necessary thin up to 5% *Speccoats Universal Reducer*

### Cleaner

- Cleaning is done with *Speccoats Universal Reducer*

## APPLICATION ENVIROMENT

Level	Surface Temperature	Ambient Temperature	Relative Humidity
Minimum	10°C*	8°C	N/A%
Maximum	45°C	45°C	85%

\*or 3° above the dew point

## DRYING TIME

Touch dry	Over-coating interval		Dry to handle	Full Cure
	Minimum	Maximum		
30 Minutes at 25°C for 75µm at 65% RH	4 hours at 25°C at 65% RH	After 7 Days abrade with wire brush	8 hours at 25°C at 65% RH	N/A

## STORAGE AND HANDLING

**Storage -** Store at temperatures between 5°C and 40°C, away from direct sunlight, open flames or sparks

**Shelf Life -** use before 6 months from production date

**Flash Point -** 22°C

## HEALTH AND SAFETY

- Adequate ventilation should be provided during use
- Flammable – Keep away from sources of ignition
- Avoid contact with the skin by using gloves, barrier creams and face mask
- If the product comes into contact with the skin, wash immediately with lukewarm water and soap, if the eyes are affected flush with water of diluted boric acid solution and seek medical attention immediately
- Refer to Material Safety Data Sheet (MSDS)

## DISCLAIMER

Whilst we endeavour to ensure that all advice we give about the product is correct, the information given in this data sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so entirely at his own risk. As conditions of use, method of application and suitability of the substrate prior to painting are beyond our control, no guarantee is implied by the recommendations contained herein. We therefore do not accept any liability whatsoever or howsoever arising from the performance of this product or for any loss or damage arising out of the use of this product. The information contained in this sheet is liable to modification from time to time in the light of experience and ongoing product development programmes. It is the user's responsibility to ensure that this sheet is current prior to using the product. **ISSUE DATE 29/10/2010**