

***Galvacoat***

Excellence in Galvanizing

**WEDGE**



## Hot Dip Galvanizing and Galvacoat

Paint System Specifically Designed to give perfect adhesion to galvanized steel

**GALVANIZING**

The word "GALVANIZING" is rendered in large, bold, 3D block letters. The letters are colored to match the paint streams above: 'G' is blue, 'A' is green, 'L' is yellow, 'V' is black, and 'ANIZING' is a metallic grey with a textured, galvanized steel appearance. The letters are reflected on a glossy surface below them.

# DESCRIPTION

GALVACOAT® is a tough, single application polyurethane top coat specifically formulated to adhere to non-ferrous metals such as zinc.

# TECHNICAL CHARACTERISTICS

## Adhesion is the key!

Most standard paints are designed for use on ferrous metals. Zinc is a non-ferrous metal and therefore it requires special etch primers. GALVACOAT® was specially designed for non-ferrous metals thereby eliminating the need for these etch primers.

If the wrong paint system is applied it can react with the galvanizing to form a layer of salts which causes the paint to lose adhesion over a period of time.

GALVACOAT® adheres to the galvanizing and does not allow salts to form which means that for the life of the coating GT0 is achieved.

## What is GT0?

This is a test that looks at the adhesion of paint to steel (BS3900; Part 6). In this test the paint is cross cut to leave small squares which when tape is applied over them will rip from the steel and attach to the tape if the adhesion is not good enough. GT0 is achieved when the tape cannot remove any paint from the steel.

## Expected Lifetime of GALVACOAT®

Corrosivity Category	Expected Coating Lifetime (yrs)	
	*Coating thickness	
	60 microns dft	120 microns dft
<b>C1 Interior:</b> dry	>10	>15
<b>C2 Interior:</b> occasional condensation <b>Exterior:</b> rural	>8	>15
<b>C3 Interior:</b> high humidity, some air pollution <b>Exterior:</b> urban inland or mild coastal	>5	>10

\*Recommended application thickness for given lifetimes.



Helmsdale Harbour - The Highlands, Scotland

## ADVANTAGES

- ✓ Anti-graffiti properties
- ✓ Can be applied directly to freshly galvanized steel
- ✓ Can be easily applied on-site or in-house
- ✓ High volume of solids >60%
- ✓ No etch primers required
- ✓ Quick and easy to apply
- ✓ Retains its original colour to within 5% over a period of 20 years (possible to freshen up or touch up mechanical damage without significant colour variance)
- ✓ Specifically designed for Hot Dip Galvanized Steel
- ✓ Suitable for all spray systems and brush applications
- ✓ UV exposure resistance
- ✓ Available in all RAL and BS colours

## Physical Properties

<b>Density:</b>	1.3 - 1.4
<b>Solid content:</b>	60% by volume
<b>Theoretical yield:</b>	7.5m <sup>2</sup> /kg at 50 microns
<b>Viscosity:</b>	Thixotropic

## Drying times

<b>Dust free:</b>	1hr
<b>Tack free:</b>	4hrs
<b>Hard:</b>	20hrs
<b>Recoatable:</b>	12hrs
<b>Recommended thickness:</b>	40-120 microns
<b>Potlife:</b>	6-8hrs at 20°



# Galvaccoat

#### East Anglian Galvanizing Ltd

Old North Road, Sawtry  
Cambridgeshire, PE28 5XN

T: 01487 833160  
F: 01487 832816  
E: [east.anglian@wedge-galv.co.uk](mailto:east.anglian@wedge-galv.co.uk)  
W: [www.wedge-galv.co.uk](http://www.wedge-galv.co.uk)

#### South East Galvanizers Ltd

Crittall Road, Witham,  
Essex, CM8 3DR

T: 01376 501501  
F: 01376 513410  
E: [south.east@wedge-galv.co.uk](mailto:south.east@wedge-galv.co.uk)  
W: [www.wedge-galv.co.uk](http://www.wedge-galv.co.uk)

#### Acrow Galvanizing Ltd

Unit 4 Ashdon Road Commercial Ctr  
Saffron Walden, Essex, CB10 2NH

T: 01799 522219  
F: 01799 522447  
E: [acrow@wedge-galv.co.uk](mailto:acrow@wedge-galv.co.uk)  
W: [www.wedge-galv.co.uk](http://www.wedge-galv.co.uk)

#### Wessex Galvanizers Ltd

Tower Industrial Estate, Tower Lane,  
Eastleigh, Hampshire, SO50 6NZ

T: 02380 629952  
F: 02380 650289  
E: [wessex@wedge-galv.co.uk](mailto:wessex@wedge-galv.co.uk)  
W: [www.wedge-galv.co.uk](http://www.wedge-galv.co.uk)