

A journal of the Institute of Corrosion

# Corrosion Management

Media Pack  
2020



INSTITUTE OF CORROSION

[www.icorr.org](http://www.icorr.org)



# Advertising Opportunities

We have a range of advertising opportunities in Corrosion Management Magazine. However because this is a technical journal, space is limited and is booked on a first come first served basis.

## Display Advertising

We have a number of display advertising slots available throughout the magazine which can be booked at the following rates:

Full page (w)210mm x (h)297mm  
£800.00

Half Page (w)190mm x (h)130mm  
£495.00

Quarter page (w)90mm x (h)130mm  
£395.00

## Recruitment Advertising

Advertising your vacancy in Corrosion Management is an extremely effective way of reaching corrosion related professionals and academics. Backed by our online Job Board it offers the perfect platform for corrosion related professionals.

Full Page – £1200.00

Half Page – £700.00

Quarter page – £450.00

## Online Job Board

£195.00 + VAT if placed in conjunction with an advertisement in the magazine  
£295.00 + VAT Web posting only, for 30 days

## Leaflet Inserts

We can design, print and insert your leaflets into Corrosion Management, or if you prefer to supply your own leaflets, we will insert them in the magazine.

Design, print and insert an A5 double sided leaflet – £595.00

Design, print and insert an A5 four page or A4 two page leaflet – £845.00

Insertion of you own leaflets (Maximum A4 sheet) – £295.00



## Prime Positions

The inside front cover and inside back cover are our prime advertising positions. These prime positions are offered to Sustaining member companies free of charge and attract a 25% loading charge for all other advertisers.

## Series Discount

We are pleased to offer a range of series discounts to advertisers. Series bookings are billed in full after the first insertion.

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# 2020 Features List

To help you target your advertising effectively we have developed a features list for 2020.

January/February issue - Pipelines

March/April Issue - Testing / Corrosion Mechanisms

May/June Issue - Cp Planning and Monitoring

July/August Issue - Petrochem

September/October Issue - Bridges

November/December Issue - Oil and Gas

**Corrosion Management**  
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**Selection of materials for handling waste waters**

Discover what is happening in your area with Local Research News Page 4

Find out about all the latest industry news Page 11

**Technical Article**

### Case

Figure 4 - GWP Results for bridge maintenance over the 100 year life.

The results demonstrate the benefits of reduced frequency of bridge repainting and longer maintenance intervals, with the longest durability coating system (system 3) producing approximately 40% less environmental impact (carbon footprint) as compared with system 1. This benefit is directly related to the reduction in traffic re-routing achieved by the use of the longer durability coating system.

In all cases, the direct contribution of the coating themselves is approximately 2% of the total carbon footprint, and this is reported for the other impact categories, except for their effect on eutrophication, which was slightly higher – and dependent on the amount of LCA data used, where the relative contribution of the coating was the dominant factor.

In all cases, the higher durability of coating system 3 led to this system producing the lowest environmental impact figure over the full 100-year life of the bridge.

**Conclusions**

Based on the evidence of the three LCA analyses, the main factors that influence the environmental performance of a bridge over its life cycle are the amount of coating used per year, and the number of times per year it is re-applied.

The instrument comes with a number of optional hardware and extension accessories to increase the tool's reach and adapt it to specific situations, and is waterproof, dustproof and shockproof, and uses three AA batteries.

**Figure 5: Bar chart showing the contribution of each coat to the total GWP of a bridge over 100 years for three systems.**

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System	System 1 2 layer E Epoxy Durability	System 2 3 layer E Epoxy Durability	System 3 4 layer E Epoxy Durability
Amount of coating (kg/m <sup>2</sup> /year)	40.6	38.2	26.3
Coating days/year	0.86	0.12	0.06

**Scenario 3 - Coating Processes only**

The environmental impacts of the coating systems were assessed for the individual components (coat) of each system and at each maintenance activity, and the results presented below in Figures 7 and 8.

It can be seen that in the individual maintenance activities, the higher thickness system (system 3) produces the highest carbon dioxide, yet in the overall lifetime position this is the lowest.

**GWP over Timeline (Moment when coating is applied)**

Figure 7 - GWP Results for bridge maintenance coating assessed at each application over the 100 year life of the bridge.

The direct impact of the coating themselves is not significant when compared with the full bridge construction programme and the need to re-apply traffic during construction and maintenance activities. Indeed, the main difference between the three coating specifications can be attributed mainly to variations in traffic diversions during maintenance cycles.

While the overall environmental impact associated with building and maintaining a bridge will be reduced to the state of the construction – i.e. that length and width of the bridge – the relative trends established during this study will remain valid for other similar (size/specification) and maintenance cycles.

**Figure 8: Bar chart showing the contribution of each coat to the total GWP of a bridge over 100 years for three systems.**

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**Innovative Products**

### New Holiday Detector

Defelco has made available a new instrument to detect holidays and pinholes in coatings on metal and concrete. The Defelco LFD low-voltage holiday detector is a versatile portable tool that provides fast, accurate detection of holidays and pinholes in coatings and conforms with various standards.

The instrument comes with a number of optional hardware and extension accessories to increase the tool's reach and adapt it to specific situations, and is waterproof, dustproof and shockproof, and uses three AA batteries.

### Curing Agents for Low Temperatures

Hempel Advanced Materials of Switzerland, recently launched three low-temperature curing agents, used for long-dry industrial coatings applications including oil and gas, marine, petrochemical and power generation.

The products were designed to meet the need for faster curing at low temperatures and reduced levels of volatile organic compounds, and are suitable for many applications, including anti-corrosion and protective coatings, and decorative paints.

### Advanced "splash zone" coatings from Hempel

Hempel has launched two new advanced coatings, designed to protect the concrete, steel and steel reinforcement structures, in particular MultiShield 15040 and 15045.

According to the company, these products are highly resistant to salt crystallization, freeze/thaw cycles, and are suitable for use in cold or unpredictable weather, which can help extend application periods during winter months.

When used in conjunction with Helimix 611, a release agent, the coatings are resistant to salt crystallization, freeze/thaw cycles, and are suitable for use in cold or unpredictable weather. Their high white stain and porous and low VOC (volatile organic compound) content makes them significantly kinder to the environment than conventional coatings.

Each product has been pre-qualified to NORSOK M-001 System 2A and 2B including concrete testing to ISO 12898 for a variety of relevant corrosion categories, concluded the company.

### Encapsulation membrane for corrosion protection

Solubas has released Solubas 542 encapsulation membrane. This coating can be brush or spray applied onto complex surfaces to protect them from the most severe corrosion conditions. It can be used on steel and concrete, and is suitable for use in cold or unpredictable weather, which can help extend application periods during winter months.

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To advertise in Corrosion Management Magazine please contact the Advertising Manager Jonathan Phillips on 0114 273 0132 or email [jonathan@squareone.co.uk](mailto:jonathan@squareone.co.uk)