



TECHNICAL CIRCULAR No. 326 of 04<sup>TH</sup> March 2016

To:	All Surveyors/Auditors
Applicable to flag:	All Flags
Subject:	<b>Corrosion Microcell</b>
Reference:	<b>Corrosion</b>

**Microcell corrosion occurs at a molecular level.**

Microcell corrosion is when active corrosion and the cathodic half-cell reaction that it produces take place at different points along the same piece of metal. Corrosion is, of course, an electrochemical reaction that produces voltage across an anode and a cathode. On the surface of a contiguous piece of metal, it is possible to have multiple corrosion cells, where pairs of adjacent anode-cathode electrons cover a large area of a metal surface, leading to relatively uniform corrosion.

Microcell corrosion is generally caused by concrete carbonation or high levels of chloride.

REFERENCES:

- **Corrosion**

ATTACHMENTS: No.

Kindest Regards,  
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