

CORROSION RESISTANT SURFACE TREATMENT FOR STRUCTURAL ADHESIVE
BONDING TO METAL

ABSTRACT

A metal substrate is anodized in a phosphoric acid anodizing solution. The anodized metal substrate is thereafter contacted with a hexavalent chromium free, trivalent chromium containing acid solution to coat the anodized metal substrate. The coated anodized metal substrate can be adhesively bonded to another such treated metal substrate to form a composite article. The resulting article exhibits excellent bonding and corrosion properties.

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