

Intek Adhesives Ltd

RTV Silicones to Bond, Seal, Insulate & Weatherproof



Description

Duralac is a chromate containing jointing compound designed to inhibit electrolytic decomposition between dissimilar metals - often called galvanic corrosion. It is a single pack, air setting product. Used correctly, Duralac prevents anodic decomposition. Duralac is a free flowing paste based on a synthetic elastic resin and barium chromate. Duralac conforms to specification DTD 369B, which superseded DTD 369A.

Properties

Duralac has low solubility in water and will not erode with time; even when subjected to high pressure from considerable water flow. Duralac enjoys excellent adhesion properties to most substrates and because of its tough flexible composition, has very low water absorption. Duralac has a two year shelf life from the date of despatch when stored below 20°C. Once a container is opened, the remaining Duralac will form a skin.

Uses

- Between aluminium alloy plates/extrusions and bolts or rivets used in building applications;
- In general engineering applications where dissimilar contact cannot be avoided;
- In vehicle building where aluminium alloy contacts steel;
- For marine application where corrosion is accelerated by brine concentration;
- In close proximity to the sea where a salt laden atmosphere will meet with structures and set up electrolytic cells;
- In Aerospace where rivets/bolts are secured into aluminium plates.

Duralac is indispensable for the sealing of joints between dissimilar metals of all types; including magnesium and its alloys. Consideration should also be given to galvanic corrosion of the same metal where the electrolyte varies in concentration forming a concentration cell. Duralac has excellent protection properties for metals in contact with wood, synthetic resin composition, leather, rubber, fabrics etc. When components of a structure are of different materials, it is essential the 'points or faces' of contact be treated with Duralac to inhibit corrosion in the presence of an electrolyte where considerable differences in potential arise. Components of the same metal in contact with one another under different stresses will also benefit from the use of Duralac to inhibit corrosion.

Whilst all reasonable care is taken in compiling technical data on the company's products, all recommendations or suggestions regarding the use of such products are made without guarantee since the conditions of use are beyond the control of the company. It is the customer's responsibility to satisfy himself that each product is fit for the purpose for which he intends to use it, and that the actual conditions of use are suitable.

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TECHNICAL DATA