

# 64C1-2-A

High temperature resistant insulating coating



**AkzoNobel**  
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With excellent thermal stability and low thermal conductivity, AkzoNobel Aerospace Coatings' 64C1-2-A is formulated as a high temperature insulation coating for fire and heat protection of aircraft structures. The product is typically applied to engine nacelles, components and assemblies that are subject to continuous exposure to high temperature conditions of up to 600°F (315°C). At peak exposures of 1500°F (815°C) the insulation coating provides survivability for 15 minutes.

The high temperature insulation coating is ideally suited for adhesive bonded assemblies in high temperature areas where adhesive deterioration might otherwise occur. The spray applied coating composition is applied directly onto the structure and can either be cured-in-place at room temperature or force cured. This makes it especially suitable for application to assemblies with complicated configurations at thicknesses of up to one inch (25mm) or more. A key performance property is backside wall temperature control in a low density formulation.

The high temperature resistant insulating coating 64C1-2-A is qualified to Boeing specification BMS 10-102, Type I, Class 1, Grade 25. The product has proved to be successful for application on engine nacelle but provides effective thermal insulation and fire protection for other extremely demanding high temperature application areas of up to 600°F (315°C).

#### **Trowelable grade (68C3-1-A)**

A high viscosity composition for hand trowel application to the surface of a structure is also available (68C3-1A). The trowelable grade can be used for repair or potting requirements and provides excellent control of the thickness of the coating from one section of the structure to another. This makes it the ideal product to coat complex surfaces in the desired finish and shape.

The high temperature resistant insulating coating 68C3-1-A is qualified to Boeing specification BMS 10-102, Type I, Class 2, Grade 30. The accompanying Boeing process document is BAC5892.



Structural part of helicopter with high temperature insulation coating under topcoat



64C1-2-A High temperature insulation coating



64C1-2-A High temperature insulation coating with topcoat protection

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