

**UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND
CERTIFICATE OF TYPE APPROVAL**

(EC Certificate of Type Examination-96/98/EC Directive Module B)

Certificate Number: 164.112/1121/WCL MED0274TE

Applicant: Encocam Limited

Manufacturer: COREX, a division of
Encocam Limited

Address: 5 Stukeley Business Centre
Blackstone Road, Huntingdon,
Cambridgeshire, PE29 6EF
United Kingdom

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This is to certify that the applicant has submitted details of an aluminium core, known and designated as: -

“COREX - Honeycomb” (3000 Series and 5000 Series)

having the technical specification given in the schedule of equipment on this certificate which has been tested and complies with the recommended criteria given in the following methods, published by the International Maritime Organisation, and which are contained in the relevant parts of the International Code for Application of Fire Test Procedures (FTP Code) namely:-

IMO Resolution A653(16)

IMO Resolution MSC 61(67) Annex 1 Part 5 and Annex 2.

IMO Resolution MSC 61(67) Annex 1 Part 2 and Annex 2.

This certificate is issued on behalf of the Maritime and Coastguard Agency (MCA). The system complies with the relevant international testing standards under which legislation (The Merchant Shipping Marine Equipment) Regulations 1999 and also the Marine Equipment Directive 96/98 as amended, the certificate is issued.

The manufacturer is allowed to affix the U.S. Coast Guard approval number 164.112/1121/WCL MED0274TE as allowed by the “Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment” signed February 27th, 2004.



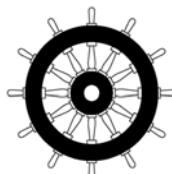
P Duggan -Manager
Warrington Certification Limited
Holmesfield Road
Warrington WA1 2DS

Date of Issue 3rd July 2015

Revised on: 22nd July 2015

This certificate is valid until 2nd July 2020

**This certificate is not valid for equipment, the design or manufacture
of which, has been varied or modified from the specimens tested.**



Certificate of Type Approval Schedule of Equipment

The applicant declared that the following comprises an accurate description of the system type to which this certificate applies:

Product reference	"COREX - Honeycomb" (3000 Series and 5000 Series)		
General description	A range of un-faced expanded aluminium honeycomb panels having the following characteristics:		
	Series	3000 series	5000 series
	Cell diameter range	3.2mm to 25.4mm	3.2mm to 25.4mm
	Aluminium gauge	50 to 70 microns	35 to 69 microns
	Panel thickness	6mm to 50mm	6mm to 50mm
	Overall density	12.8kg/m ³ - 163.4kg/m ³	9.6kg/m ³ - 161.8kg/m ³
Aluminium	Product reference	"Foil 3000 Series" / "Foil 5000 Series"	
	Generic type	Aluminium	
	Name of manufacturer	See Note 1 below	
	Colour	"Aluminium - Silver"	
	Flame retardant details	See Note 2 below	
Adhesive	Product reference	See Note 1 below	
	Generic type	Epoxy adhesive	
	Name of manufacturer	See Note 1 below	
	Application rate	50 g/m ²	
	Application method	Printing	
	Flame retardant details	See Note 2 below	
Brief description of manufacturing process	Aluminium foil is printed with adhesive lines at required pitch. Printed foil is then cut into sheets and stacked with alternate adhesive lines. Stacks are then pressed and heated to cure the adhesive, bonding sheets together into a block. Blocks are then cut to customer requirements.		

Note 1. The sponsor of the test has provided this information, but at the specific request of the sponsor, these details have been omitted from the report and are held on the confidential file relating to this investigation.

Note 2. The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the component.

Approved Documents

Test Reports

- (1) WF Report No.'s 185442, 193694, 193695, 193696 - Surface Flammability tests to IMO A653 (16), Part 5, Annex 1 of the Fire Test Procedures Code, Resolution MSC61 (67).

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