

T5000 Marine Acoustic Hood



Environment

For external or internal use, the T5000 Marine is designed for harsh and noisy environments attaining a high level of noise reduction. By enhancing previous materials used, the hood has now been independently & methodically tested to achieve an attenuation of up to 28.2 dB

The T5000 Marine is extremely robust and weatherproof and manufactured using high quality, long lasting components.

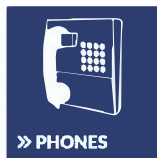
Manufacturing

Thermoset composite GRP moulding manufactured using a certified RTM system to BS476 Part 7 Class II surface spread of flame.

Inside the hood's outer shell is a perforated 3mm polypropylene lining that houses 60mm non-hygroscopic, high performance acoustic insulation.

Fitted to the inner back wall is a stainless steel apparatus plate with a white powder coat finish; beneath this is a 316 powder coated stainless steel shelf with easy cable entry.





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Specifications*

- Outer Shell - Thermoset composite GRP moulding Manufactured using a certified RTM system to BS476 Part 7 Class II surface spread of flame.
- Acoustic Insulation - 60mm Tissue faced non hygroscopic Rockwool (RW3) density 60kg/m³
- Insulation Liner - White Perforated Polypropylene 3mm thickness. UL94 HB
- Apparatus plate - 316 Grade Stainless Steel, 2mm thickness, powder coated white
- Mounting Brackets - 316 Stainless Steel, 6mm thickness
- 316 Stainless Steel Shelf, powder coated white
- Bolts, nuts and washers - A4 stainless steel
- Majority of assembly rivets - A4 stainless steel



Dimensions

- Product size - H915mm W700mm D610mm
- Product weight - approx 28.5kg
- Boxed size - 980 x 800 x 680mm
- Boxed weight - Approx 37kg

Colours Available**

- | | |
|---|-------------------|
|  | Yellow (RAL 1006) |
|  | Red (RAL 3001) |
|  | Orange (RAL 2001) |

Others on request

**Our products are subject to a continuous improvement process and specifications may change without notice. Please check specifications are current at time of placing order.*

***Component colours may be subject to slight variations through pigmentation changes and batch runs. Please notify the sales team in advance of any concerns.*

****Telephones are for illustrative purposes only and are not included.*



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Standards Achieved

Type of test	Test Standards	Test Procedure	Test Results
Temperature (Dry Heat)	BS EN 60068-2-2:2007/ BS EN 60945:2002	In a climatic chamber, temp. raised to +70°C over 15 hours, followed by inspection.	Visual inspections revealed no damage, distortion, or corrosion. The materials remained intact
Tested by Axis Test Laboratories, Certificate Number AXTC24020-01 Issue 1			

Temperature (Cold)	BS EN 60068-2-1:2007/ BS EN 60945:2002	The temperature was lowered to 25°C for 2 hours, followed by an impact test.	After exposing the units to -25°C, an impact test was conducted using a 50mm steel ball dropped from 1.3 meters. The results were no visible damage or deformation.
Tested by Axis Test Laboratories, Certificate Number AXTC24020-01 Issue 1			

Corrosion Testing (Salt Spray)	BS EN 60068-2-52:2017/ BS EN 60945:2002	A cycle of 2 hours spray with 5% by volume NaCl followed by 7 days at 40°C 95%RH was repeated 4 times.	After rinsing, no visible damage, discolouration, or corrosion was found, and rivets and metallic components showed no signs of corrosion
Tested by Axis Test Laboratories, Certificate Number AXTC24020-04 Issue 1			

Sound reduction	Bespoke test	In a hemi-anechoic chamber, a sound source was placed 1.5m away at 3 different positions. With the source operational, octave band sound pressure levels were measured with and without the hood installed. The difference between these measurements is the insertion loss of the installation of the hood.	Maximum sound reduction: • 4 kHz Octave band 28.2dB • Average of SIL* bands (1,2,4,8 kHz) 26.9dB
Tested by KP Acoustics research labs, report number 29874.210225.R1			

* Speech Interference Level

Full test reports available on request



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