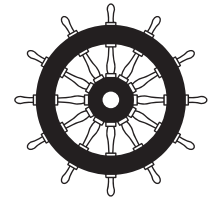


## ACM52 Material Data Sheet

### Interior Primary Deck Covering



0038/19  
USCG-EU MRA

**ACM52** is a cork composite material specially designed to be used as an **interior primary deck** covering from 5 to 50mm thick on metallic substrates.

Designed to fire, smoke and toxicity standards with additional unique features such as exceptional lightweight, low thermal conductivity, damping performance and versatility. ACM52 is a sustainable ecological solution, that contributes to decrease the carbon footprint providing benefits in green shipbuilding and comfort in flagged ships. These unique characteristics contribute to improve vessel performance and rating and consequently energy savings.

DENSITY (kg/m <sup>3</sup> ) <sup>(1)</sup>	320-420
THERMAL CONDUCTIVITY [W/m <sup>2</sup> K] <sup>(2)</sup>	0,065*
COMPRESSION MODULUS @ 10mm [MPa]	14,7*
BENDING MODULUS @ 10mm [MPa]	64,4*
LOSS FACTOR @ 15mm <sup>(3)</sup>	0,11*

<sup>(1)</sup> ISO 7322 <sup>(2)</sup> ISO 8302 <sup>(3)</sup> ASTM E758 & SAE J1637 Oberst Method  
\* Typical values

Certified to IMO Res. MSC.307 (88) – (2010 FTP Code) Annex 1, Part 5 & Part 2 MSC / Circ.1120, compliant with the Council Directive 2014/90 EU of the European Parliament and of the Council of the 23 July 2014 on marine equipment directive and repealing Council Directive 96/98/EC and EU-US Mutual Recognition Agreement 2004/425/EC.

EC Type Examination (Module B) Certificate **Nº. MED 1950016**

USCG Approval number **164.106 / ECO0038 / MED 1950016**



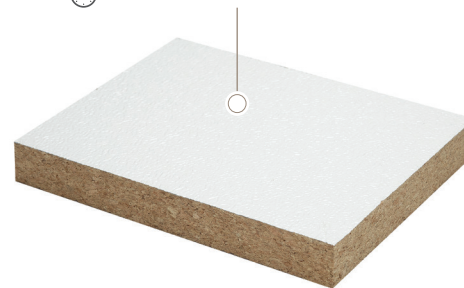
Issued by Lloyd's  
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Notified Body No. 0038



The data provided in this material data sheet refers to typical figures. This information is not intended to be used as a purchasing specification and does not imply suitability for use in any specific application. Failure to select the proper product may result in either product damage or personal injury. Please contact Amorim Cork Composites regarding recommendations for specific applications. Amorim Cork Composites expressly disclaims all warranties, including any implied warranties of merchantability or of fitness for any particular purpose. Amorim Cork Composites shall not be liable for any indirect, special, incidental, consequential or punitive damages as a result of using the information listed in this brochure, any of its material specification sheets, its products or any future use or re-use of them by any person or entity. **For contractual purposes, please request our Product Specifications Sheet (PDA).**

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 Part 5 & Part 2 (2010 FTP Code)



Lightweight



Acoustic isolation



Fire & smoke resistance



Thermal insulation



Sustainable and energy efficient