

DIAB launches Divinycell HM – the toughest core ever

Extreme performance calls for strong and tough composite materials able to reduce weight without sacrificing strength and durability. The latest addition to DIAB's comprehensive portfolio of high-performance core materials – Divinycell HM – brings previously unattainable advantages to naval architects.

DIAB has been at the leading edge of composite core material development for over 60 years. With a complete range of high-performance core materials, numerous finishing options and kit operations in combination with engineering services and expertise, DIAB has long been the first choice of leading producers of sandwich composite structures around the world.

Since DIAB's beginning, the properties of the Divinycell foams have been continuously enhanced and improved. The latest addition to this product family is the Divinycell HM range, the toughest core ever. This high-performance structural core is capable of absorbing extremely high dynamic loads such as slamming on waves, which makes it ideal for fast marine hulls.

Divinycell HM allows for ultra-tough and robust structures while reducing overall weight. Weight reduction translates directly into greater performance: speed, range or payload.

-Divinycell HM is an extremely tough product, says Valerio Corniani, DIAB Global Marine Manager. It provides incredible levels of energy absorption by combining outstanding shear elongation with impressive shear strength. It has been type approved for slamming use by Det Norske Veritas Germanischer Lloyds (DNV-GL), which means it complies with the highest requirements applicable in the marine industry.

-DNV-GL is one of the world's leading classification societies and a recognized advisor for the marine industry, continues Valerio Corniani. Achieving their type approval provides our customers with increased reassurance of the performance of our materials.

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DIAB is a world-leading supplier of sandwich composite solutions that make our customers' products stronger, lighter and more competitive. DIAB's solutions include a wide range of core materials, cost effective core kits, a wide range of finishing options and a comprehensive set of composite know how. DIAB also provides a series of consulting services within composite technology through Composites Consulting Group. DIAB provides sandwich composites solutions within Wind energy, Marine, Transportation, Aerospace and Industry. DIAB is a global company with sales and customer support in 16 countries and an extensive network of distributors. DIAB has six strategically located manufacturing units in order to serve its global customers on a local basis. DIAB is a wholly owned subsidiary of the Swedish private equity company Ratos AB.