EUROPEAN boat builder™

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Design, processes and techniques in perspective

www.europeanboatbuilder.net

"Our boats needed a complete makeover — but it had to be done carefully"

Mark Garner, managing director, Broom Boats

Page 18

Fire suppression

How to evaluate and source the market's best on-board fire prevention systems

Page 14

Broom Boats

UK employment lessons

Page 18

Contest Yachts

Simpler resin infusion

Page 28

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ITW Plexus MA 422 bonding adhesive

Light vehicle manufacturer Casalini is now using a special methacrylate adhesive from ITW Plexus rather than traditional mechanical fasteners to attach GRP cabin interiors to the steel frames of several of its models.

This application presented Plexus with a tough list of requirements, which overlap with the needs of boatbuilders. High strength, good flexibility, excellent fatigue resistance, and the ability to withstand stress all had to be combined. Casalini also wanted to minimise processing times so they needed an adhesive with short working and fixture times as well as one capable of bonding substrates with little or no surface preparation.

www.itwplexus.co.uk

Hydraulic and electric thrusters

CMC has presented four new thruster models in its Dualis series, all of them with counter rotating propellers, for boats from 18m-30m (59ft-98ft).

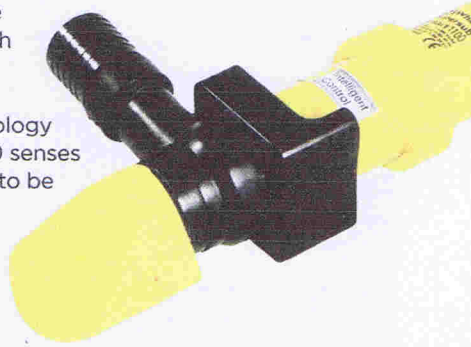
The Dualis BTM 20, Dualis BTM 30, Dualis BTM 40 and Dualis BTM 50 are the four new models, which replace the 2009 series. The new units are designed to offer maximum flexibility — thanks to the special pod mounting block, each thruster can be coupled to either an hydraulic motor or an electric one.

The new models widen the power range to 18kW-45kW. Thruster tunnel sizes run from 300mm-450mm.

www.cmcmarine.com

Automatic bilge pump

Whale Pump's new Supersub Smart 1100 is a high capacity, low profile, automatic bilge pump offering all the advantages of the Supersub Smart 650 with an improved flow rate.

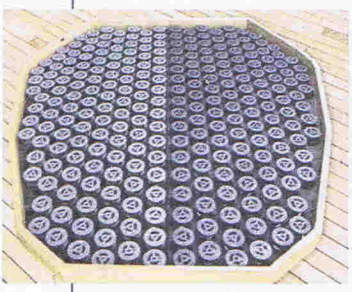


Using integrated intelligent control technology the Supersub Smart 1100 senses when bilge water needs to be discharged.

The pump's multi-position head allows for easy installation and the integrated non-return valve and clip-on strainer make maintenance simple.

www.whalepumps.com

Sleeping surface



Spacerflex has been developed to offer 'at home' sleeping comfort aboard. Built in Isotex, an insulating fabric, Spacerflex is fitted with elastomer springs available in three different firmnesses. A large number of equally spaced springs ensures optimal body support with each spring operating independently.

Spacerflex provides 40mm of ventilated space between the cushion and the support, helping to prevent condensation.

www.enpremiere.com

High load pulley

Ubi Maior has developed the X3MFLY range of deck hardware to withstand the demands of ocean racing. The High-Load pulley from the range won the Qualitec Design Award at Seatec this year for its simple and functional design.

The pulley and casing are machined from aluminium 6082T6 billets and are anodised with silver ions. A double bearing in technopolymer offers high modulus resistance, both static and dynamic, as well as low maintenance. The machined body is in black Derlin and the DSK 75 high-load loop is in braided Dyneema.

www.ubimaioritalia.com