

THE YACHT

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report

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Sentry Glass

New from DuPont is their DuPont™ SentryGlas® Expressions™, a new decorative glass manufacturing concept. The idea has grown out of two of their core technologies – digital inks and their materials and technologies for glass laminating. DuPont™ SentryGlas®

Expressions™ interlayers are printed using high-resolution ink jet printers with specially formulated inks to create an image-carrying safety glass. The interlayer is then shipped to a glass laminator who completes the glass or its installation. Printing onto the interlayer is said to be quick, efficient and versatile, with DuPont being able to generate art proofs in a day

or two. The concept uses a full-colour palette and allows continuous tones or tonal shifts in any image you can think of. Graduated colours and combinations of words and text may be assembled and a range of transparency levels can be made within a single laminate pane. You can have solid colours or high-density art or photography in one part of the image and complete clarity elsewhere. Choices for the base interlayer include clear, translucent white and soft white, which will allow for control of how much background can be seen through the glass. Though the illustration is clearly not on a yacht the concept will offer interior designers an opportunity to use glass in a creative and decorative manner within and maybe even outside the superyacht.

www.dupont.com



Permanon

New to the superyacht market is Permanon; a company that provides a safe way for crew to apply high-gloss surface conserving protection to all coatings. Permanon means that there is no need for polishing which degrades the surface and can often lead to halo swirls, surface degradation and eventually to earlier repainting. According to Permanon the difference between their products and other nano-tech products is that others bond chemically to surfaces. This makes them nearly impossible to remove so they need deep sanding to ensure that the new paint is not contaminated. They claim this is approximately 30% more expensive.

Permanon does not work like this; the technology behind it is chemically inert coatings that, Permanon explain, bond purely statically, which means they are safe for painting and re-painting with no sanding. Their products are made up of the natural element Si14 in its monomolecular form, so are more than 96% biodegradable, thus environmentally friendly. To produce the static bond, the Si14 molecules are positively charged to connect electrostatically to the surface. The products can be applied safely to solid surfaces including glass, GRP paint, leather, steel and plastic. The immediate static connection means that results can be achieved in minutes, and Permanon can be removed in the normal re-painting procedure, without any special requirements. James Dreyer of M/Y Anastasia says of Permanon coated windows: "Water and vinegar are things of the past and our daily maintenance times on these areas is close to halved."

Permanon has been tested by paint manufacturers and superyacht paint applicators, who all report that the UV resistance of Permanon leads to an 80–100% increase in the gloss-life of paint, which in turn saves a fortune as the life of yacht paint is almost doubled.

www.permanon-shop.com



Top: Before Permanon

Above: After Permanon Supershine