

**Gloss retention of Jotun's linear polyurethane topcoat for yachts, Megagloss, with and without CWS `Permanon' silicium sealer**

Jotun Coatings AS (Norway) laboratory testing period: March '07 - Oct '07

Approx. 60µm dry film thickness of *Megagloss* was spray-applied onto primed steel plates which were then put through the `Weather-o-meter' accelerated exposure test. The test exposes coatings to strong ultraviolet light (artificial) and high condensation (water-spray). **It is proposed that 5000 hours/208 days in the Weather-o-meter test chamber may be similar to about 6 years of outdoor exposure in a marine environment in the Mediterranean area.**

From a very high starting gloss level of 95 gloss units measured with a gloss meter set at 60°, *Megagloss* not wiped with *Permanon* silicium sealer lost **37 gloss units (39% loss)**, arriving at **58 gloss** after 5000 hours in the chamber. This should be considered an excellent result.

However, *Megagloss* **wiped just once** with undiluted silicium sealer **lost only 22 gloss units (23%), arriving at 73 gloss**. The use of the sealer showed its positive effect from about half-way through the duration of the test.

The test results show that *Permanon* silicium sealer wiped undiluted onto *Megagloss* polyurethane topcoat has a **significantly positive effect on the topcoat's gloss retention and general weathering properties – particularly in the longer term** after the topcoat has been exposed for some time.

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24.10.07