

## Marina del Rey Harbor Hull Paint Pilot Study I and II Summary

Los Angeles County Department of Beaches and Harbors tested multiple non-biocide hull paints on County-owned vessels over the course of two pilot hull paint studies from 2017 to 2022. The paints included in the studies, as well as observations related to paint effectiveness, are included in Table 1 and Table 2 below. Due to variability in boat usage, cleaning frequency, and site-specific conditions, the results observed in the pilot studies intend to provide a high-level performance assessment on non-biocide hull paints. The County does not endorse any specific paints included in the tables.

**Table 1: Summary of Non-Biocide Paints Studied in Pilot Study I**

| Paint   | Paint Type                      | Boat Type & Use  | Performance Notes   |
|---|---------------------------------|--|---|
| <b>Pilot Paint Study I (August 2018 – October 2018)</b> |                                 |  |   |
| <b>CeRam-Kote 54 SST</b>                                | Hard, Ceramic Polymer Coating   | <ul style="list-style-type: none"> <li>• 24' Debris Boat aluminum hull; 5 days/week</li> <li>• 25' Safe Boat; 3 days/week</li> </ul>   | <ul style="list-style-type: none"> <li>• Boat hull was stripped before application</li> <li>• Cleaned every 2 weeks</li> <li>• Normal to fair paint condition and normal to excessive fouling</li> <li>• May need more frequent cleaning</li> </ul> |
| <b>Hullspeed F-Series</b>                               | Hard, Epoxy/ Silicone Copolymer | <ul style="list-style-type: none"> <li>• 29' Seaway powerboat; 4 days/week</li> <li>• 30' Drake powerboat; 2 days/week</li> <li>• 22' Catalina sailboat; 1 day/week</li> </ul>   | <ul style="list-style-type: none"> <li>• Boat hull was stripped before application</li> <li>• Cleaned every 2 weeks</li> <li>• Normal to fair paint condition and normal to excessive fouling</li> <li>• May need more frequent cleaning</li> </ul> |
| <b>Hullspeed 3000</b>                                   | Hard, Epoxy/ Silicone Copolymer | <ul style="list-style-type: none"> <li>• 30' Munson Landing Craft aluminum hull; 3 days/week</li> <li>• 27' I/O V hull; 2 days/week</li> <li>• 22' Debris Boat wood hull with fiberglass; 2 days/week</li> <li>• 29' Seaway powerboat; 4 days/week</li> <li>• 33.5' Moose powerboat; 4 days/week</li> <li>• 35.5' Moose powerboat; 4 days/week</li> <li>• 32' Rescue Boat; 1 day/week</li> <li>• 41' Fire Boat; 2 days/week</li> </ul> | <ul style="list-style-type: none"> <li>• Boat hull was stripped before application</li> <li>• Cleaned every 2 weeks</li> <li>• Normal to fair paint condition and normal to excessive fouling</li> <li>• May need more frequent cleaning</li> </ul> |
| <b>Intersleek 1100SR</b>                                | Soft, Fluoropolymer             | <ul style="list-style-type: none"> <li>• 25' MacGregor Sailboat; W.A.T.E.R Youth Sailing Program</li> <li>• 25' MacGregor Sailboat; W.A.T.E.R Youth Sailing Program</li> <li>• 29' Seaway powerboat; 4 days/week</li> <li>• 42' Monarch powerboat aluminum hull; 5 days/week</li> </ul>  | <ul style="list-style-type: none"> <li>• Boat hull was stripped before application</li> <li>• Cleaned every 2 weeks</li> <li>• Excellent paint condition and light to normal fouling</li> </ul>   |

**Table 2: Summary of Non-Biocide Paints Studied in Pilot Study II**

| Paint  | Paint Type                     | Boat Type & Use   | Performance Notes   |
|--|--------------------------------|---|---|
| <b>Pilot Paint Study II (July 2021 – September 2022)</b> |                                |   |   |
| <b>AkzoNobel #1</b>                                      | Soft                           | <ul style="list-style-type: none"> <li>27' Catalina sailboat; occasionally mid-June to mid-August and daily the rest of the year</li> </ul> | <ul style="list-style-type: none"> <li>Hull was not stripped before application</li> <li>Paint formula discontinued due to poor performance</li> </ul>  |
| <b>AkzoNobel #2</b>                                      | Soft                           | <ul style="list-style-type: none"> <li>27' Catalina sailboat; occasionally mid-June to mid-August and daily the rest of the year</li> </ul> | <ul style="list-style-type: none"> <li>Boat hull was stripped before application</li> <li>Cleaned every 2 weeks in summer and every 3 weeks in winter</li> <li>Good paint condition, easy to clean, and light to normal fouling</li> <li>Paint reformulated after study</li> </ul>            |
| <b>Coval Marine and Hull Coat</b>                        | Hard Coating (Quartz-like)     | <ul style="list-style-type: none"> <li>17' Boston Whaler; 7 days/week mid-June to mid-August and not used the rest of the year</li> </ul>   | <ul style="list-style-type: none"> <li>Boat hull was de-waxed (not stripped) before application</li> <li>Cleaned every 2 weeks in summer and every 3 weeks in winter</li> <li>Fair paint condition, firm to hard effort required to remove growth, and normal to excessive fouling</li> </ul> |
| <b>Seacoat™ SEA-SPEED® V10X Ultra Clear</b>              | Hard Coating (Silane-Siloxane) | <ul style="list-style-type: none"> <li>15' Zodiac; 7 days/week mid-June to mid-August and not used the rest of the year</li> </ul>          | <ul style="list-style-type: none"> <li>Boat hull was stripped before application</li> <li>Cleaned every 2 weeks in summer and every 3 weeks in winter</li> <li>Normal to fair paint condition, firm to hard effort required to remove growth, and normal to excessive fouling</li> </ul>      |

**Websites:**

- CeRam-Kote 54 SST: <https://ceram-kote.com/ceram-kote-54/>
- Hullspeed: <https://www.hullspeed.us/>
- Intersleek 100SR: <https://www.international-marine.com/product/intersleek-1100sr>
- Coval Marine and Hull Coat: <https://covaltechnologies.com/marine/>
- Seacoat SEA-SPEED V10X Ultra Clear: <https://sea-speed.com/>