

Advanced Fusion SPC, SELF-POLISHING, TIN-FREE ANTI-FOULING

SEA GRANDPRIX  **660HS**

CMP CHUGOKU MARINE PAINTS, LTD.

*CHUGOKU, World leaders
in Tin-Free Anti-Fouling technology*

From Chugoku's leading edge antifouling technologies comes a new class of antifouling, which provides ship operators with a modern way to achieve high performance. Advanced fusion SPC technology is the result of combining CMP's renowned self polishing hydrolysis polymer and hydrophobic polymers to provide the unique product - SEA GRANDPRIX 660HS.

This combination provides the following benefits:

Based upon the fusion of two existing successful technologies, which have already been applied to more than 6000 vessels

5-year protection for flat bottom areas and 5 year protection for underwater sides

Surface tolerant for direct application over existing antifouling

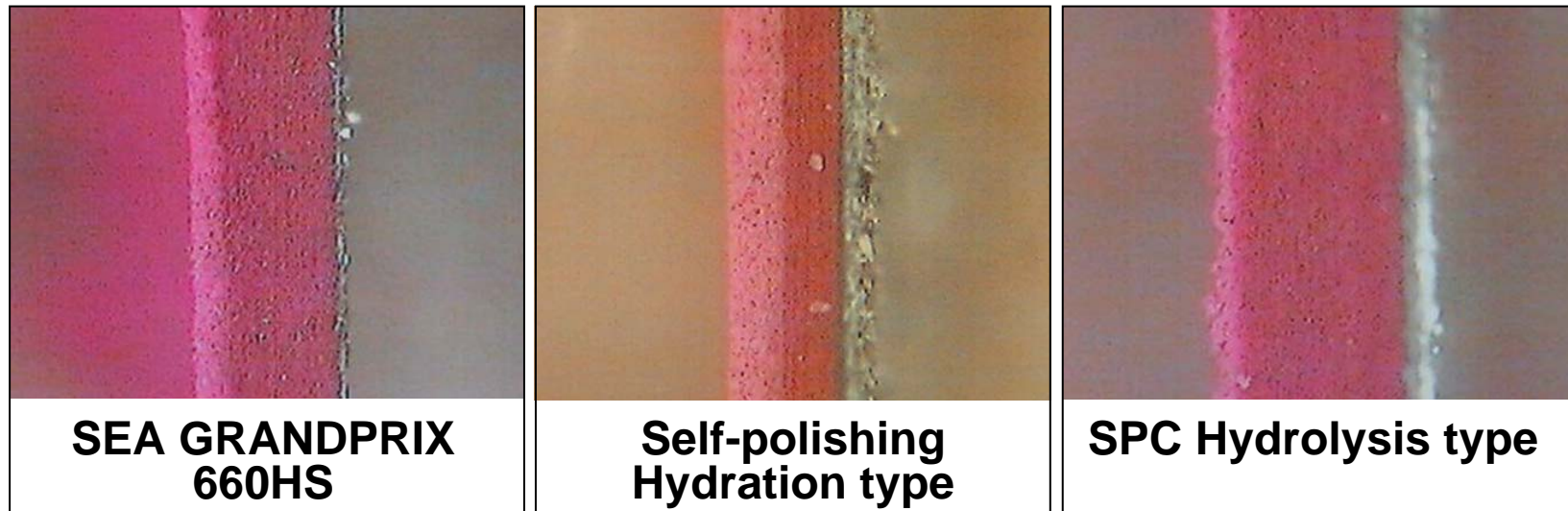
High volume solids and low VOC

Good mechanical properties

Complies with the International Convention on the Control of Harmful Anti-fouling Systems on Ships as adopted by IMO in October 2001 (IMO document AFS/CONF/26)

SPC fusion technology

Microscopic analysis of surface erosion

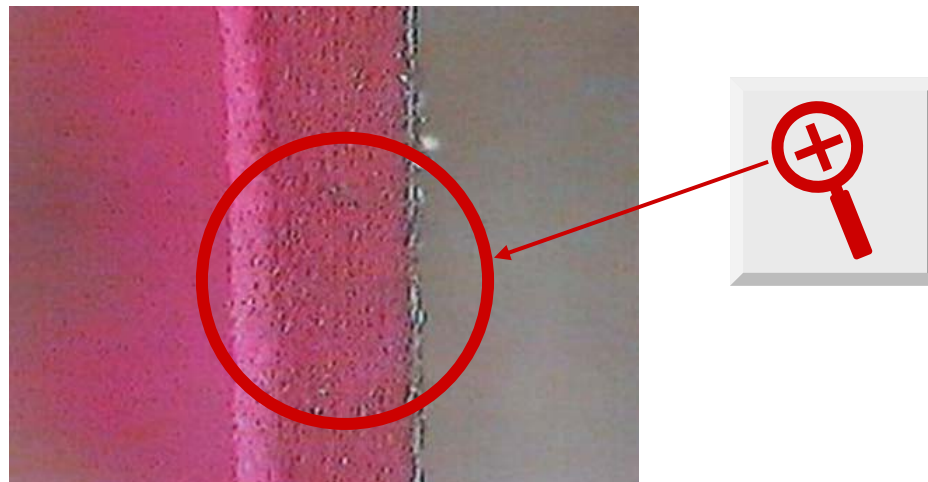


Using a microscope, we can view the efficiency of the self-polishing action of antifouling. SEA GRANDPRIX 660HS was investigated before and after dynamic immersion. The results show a controlled reaction layer on the surface of the paint, which gives a predictable release of biocide.

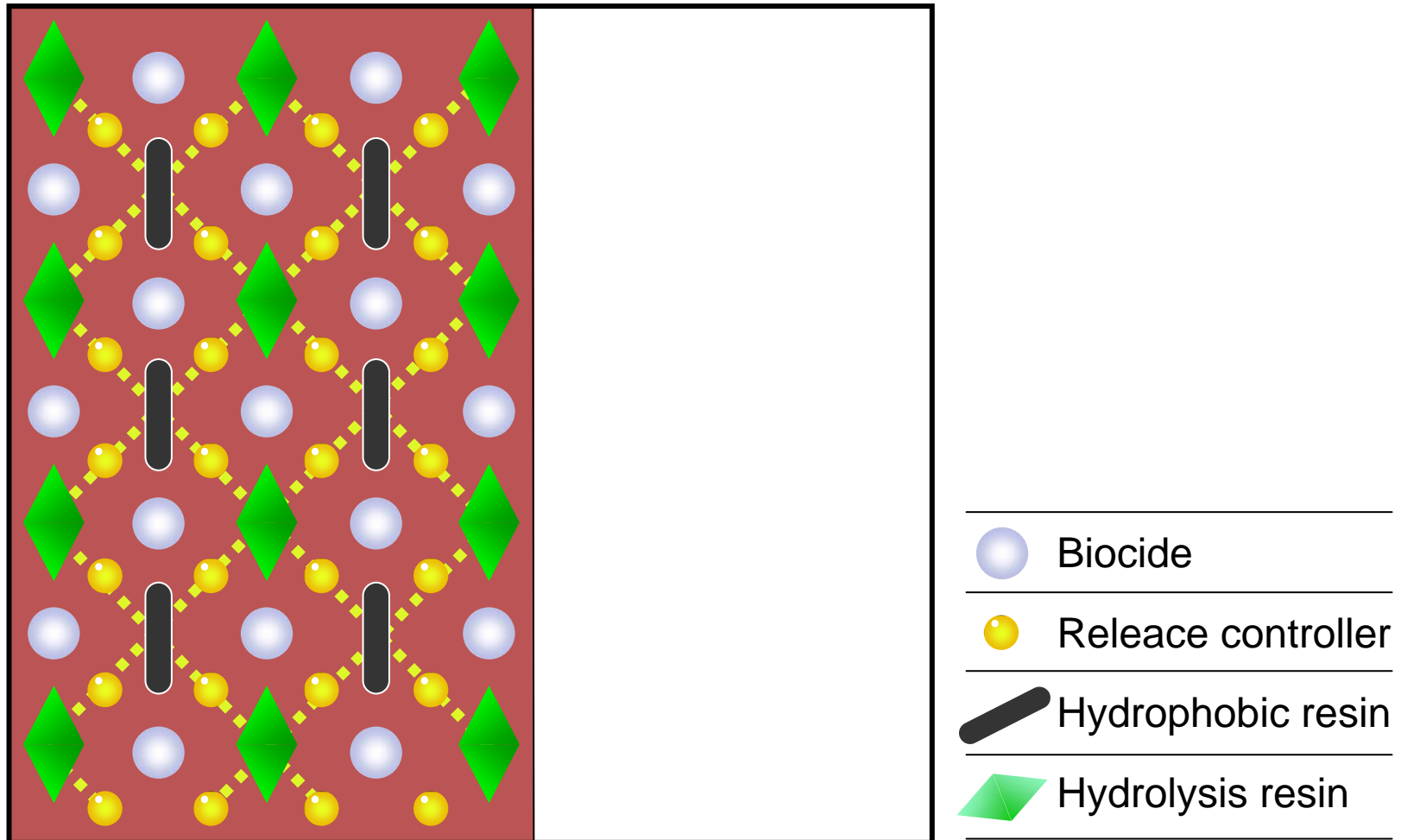
Self-polishing mechanism

Resulting from the Advanced fusion technology the high solids SEA GRANDPRIX 660HS maximizes antifouling performance from the enhanced self-polishing action at the active zone when in contact with seawater hence providing a better control of biocide release over time as well as a reduction in the leached layer *.

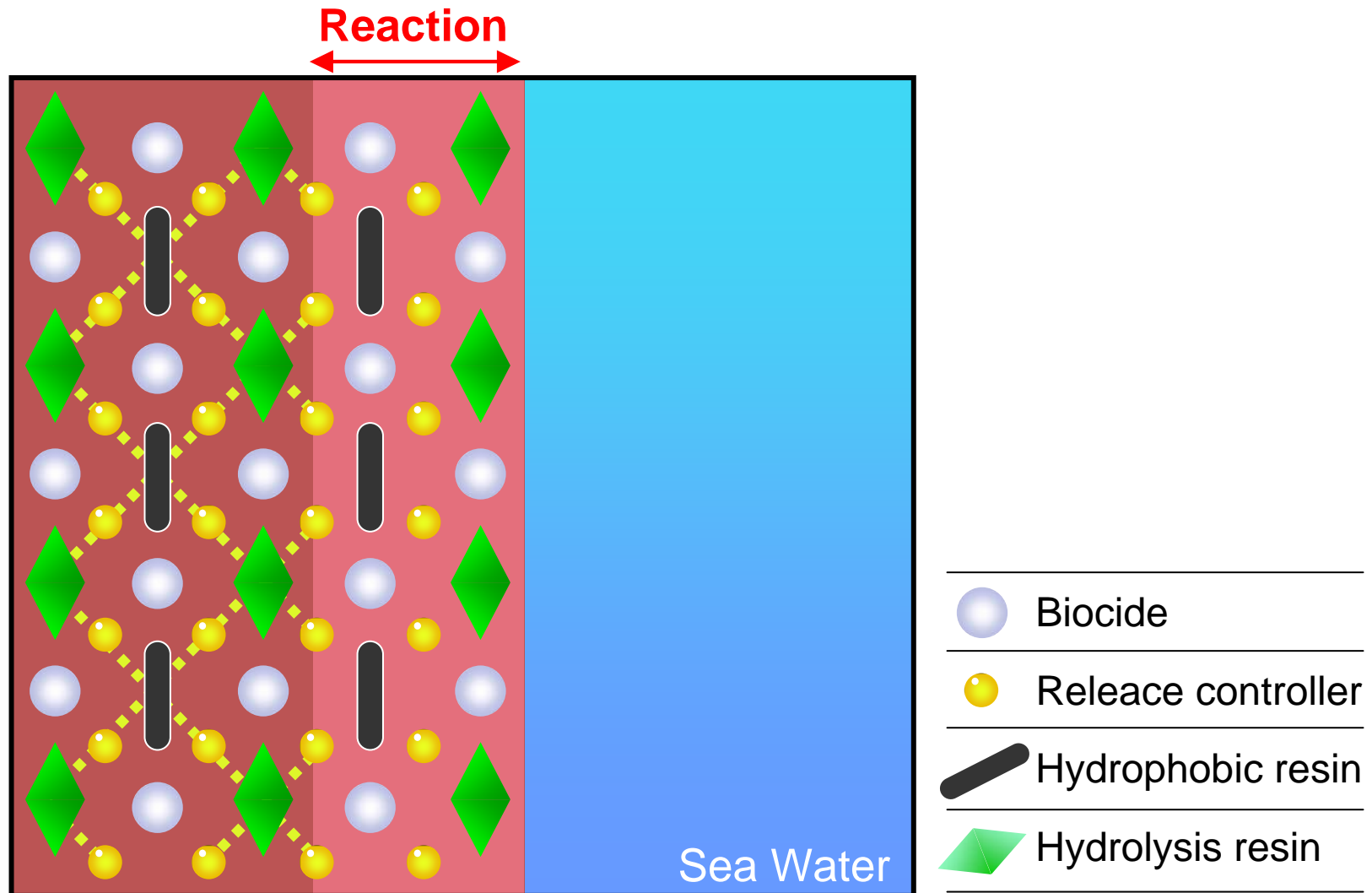
* in comparison to existing hydration, rosion based self-polishing antifouling



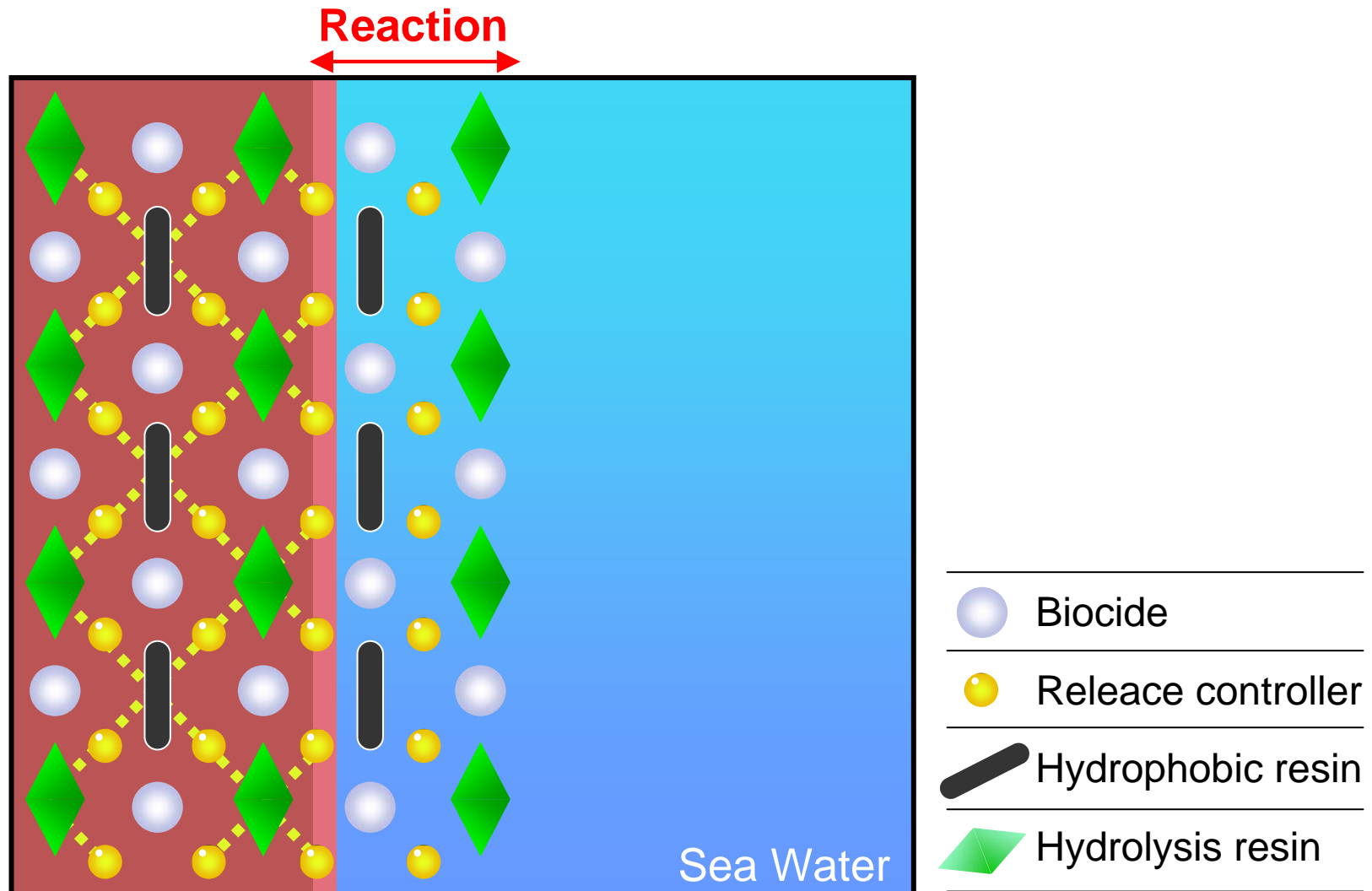
Self-polishing mechanism



Self-polishing mechanism



Self-polishing mechanism



Application Results

After 36 months

Results



Results



Results



Results



Results

