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Subject: SeaDrain® White Accelerated Weather Test Results

To Whom It May Concern:

SeaDrain® White from Georg Fischer has been developed and tested for use under extreme UV conditions. Through the use of industry standard Accelerated Weather Tests (*ASTM G155 and **ASTM D5894) GF has been able to verify the capabilities of SeaDrain White as a suitable system for outdoor marine use. While 1000hr or greater laboratory weathering tests are not a guarantee of performance they provide a strong indication of a materials overall performance. When tested and compared to a historical product with a long history in the market; in this case Fuseal PPFR (blue piping), it's much easier to understand the performance gains of an enhanced product such as SeaDrain White.

The chart below, compares the average results of the two UV test protocols (of ASTM G155 and ASTM D5894) for SeaDrain White PP (with UV protection), Non-UV White PP, and Fuseal PPFR Blue (Baseline).

| | Values for UV White PP | Values for Non-UV White PP | Values for Fuseal Blue PPFR |
|--------------------------------------|------------------------|----------------------------|-----------------------------|
| Percent Exterior Change (Glossiness) | 3% | 46% | 92% |
| Percent Color Change (Discoloration) | 0.07% | 0.10% | 7% |
| Percent Change in Tensile Strength | 2% | 3% | 3% |

*ASTM G155: Xenon-Arc Exposure of Plastics Intended for Outdoor Applications

**ASTM D5894: Cyclic Salt Fog/UV Exposure (Alternating Exposures in a Fog/Dry Cabinet and a UV/Condensation Cabinet)

For further information regarding this topic, please don't hesitate to contact me.

Best regards,

Georg Fischer Harvel LLC

Travis Price
 Product Manager, Marine