



SONGSORB® CS B5438
SONGSORB® CS B5452
Light-Stabilizer
Blends

- High-performance light-stabilizer blends for 2K-PU clear coats.
- Convenient liquid form for easy processing and use.
- Low initial color and excellent long-term protection.
- Less critical product labeling than that required on industry-benchmark stabilizer package.
- Improved occupational safety due to less hazardous formulation materials.
- Suitable for water-based coating systems.

It's all about **the chemistry™**

SONGWON light stabilizers are designed to meet the coating industry's performance and regulatory demands of today and tomorrow.

New light-stabilizer blends enable the coatings formulator to achieve similar or better protection than that provided by traditional products, while reducing the necessity of critical product labeling and avoiding submission to more stringent regulatory requirements.

SONGSORB® CS B5438 / SONGSORB® CS B5452

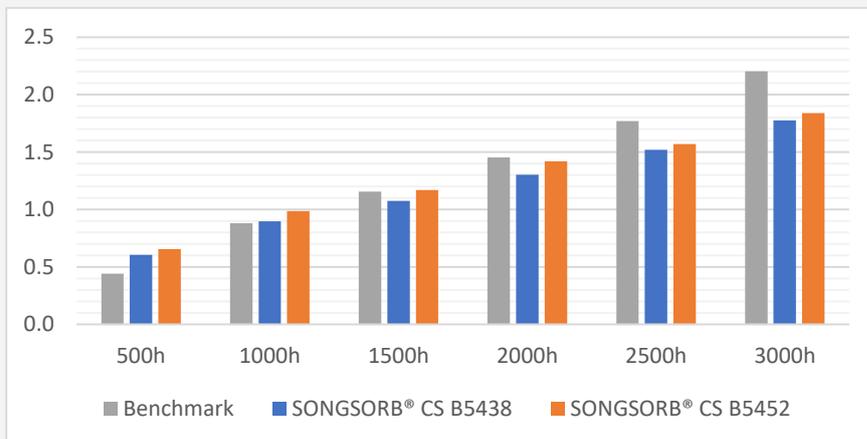
Organic UV absorbers (UVAs) used in combination with hindered amine light stabilizers (HALS) provide exceptionally high protection against discoloration, loss of gloss and cracking in industrial clear coats. Increasingly stringent regulatory requirements call for products that are safer in processing and end application. Artificial-weathering and accelerated-aging tests demonstrate the excellent performance of SONGWON's new light stabilizer blends.

Color formation (ΔE) in accelerated-aging test DIN EN 16472 on Bandol Wheel®:

Benchmark:
Benzotriazole UVA and HALS

SONGSORB® CS B5438:
Benzotriazole UVA and HALS

SONGSORB® CS B5452:
Triazine UVA and HALS

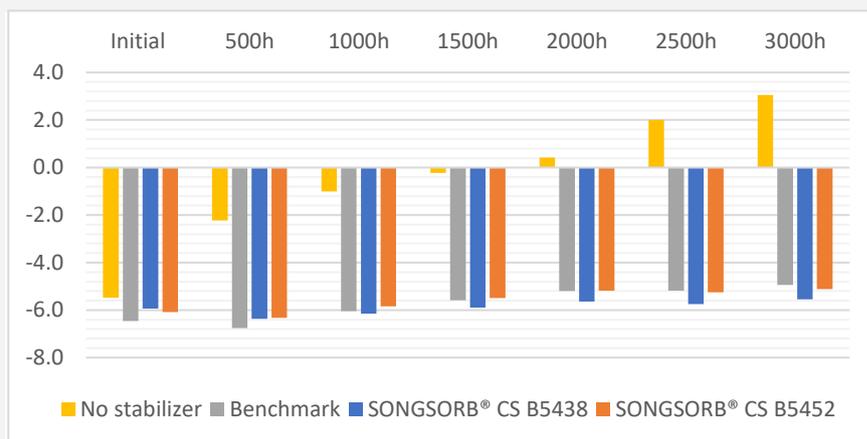


Initial Yellow Index (YI) and yellowing in artificial-weathering test ASTM G155, Cycle 1:

Benchmark:
GHS 07 / 08 / 09 labeling

SONGSORB® CS B5438:
GHS 07 labeling

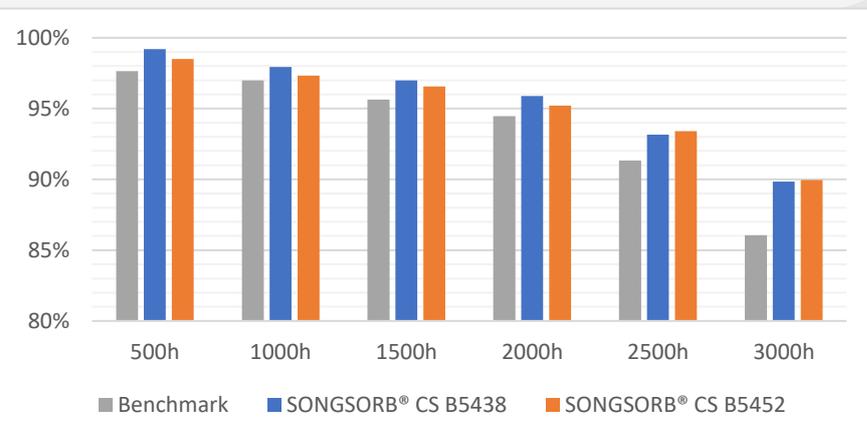
SONGSORB® CS B5452:
GHS 07 labeling



20°-gloss retention in accelerated-aging test DIN EN 16472 on Bandol Wheel®:

Test system:
solvent-based aliphatic 2K polyurethane clear coat on white-painted aluminum panel

Additive add-on:
to be adjusted depending on formulation, at 100-250% of benchmark quantity, generally in the range of 1.0-8.0%



SONGWON provides customers with warranties and representations as to the chemical or technical specifications, compositions and/or the suitability for use for any particular purpose exclusively in individual written agreements.

The facts and figures contained herein have been carefully compiled to the best of SONGWON's knowledge but are essentially intended for informational purposes only.

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