

SCRATCH RESISTANCE

SPHERILEX® products for Can Coating applications

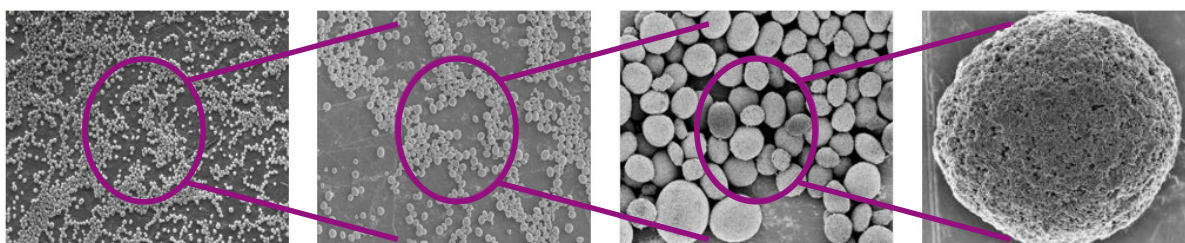
Improvement of mechanical resistance



Improvement of mechanical resistance is one important function when it comes to coatings for metal products, e.g. Caps & Crowns, Closures, Beverage Cans, Food packaging, and more

SPHERILEX® products are precipitated amorphous silica with unique spherical particle shape and very narrow particle size distribution.

SPHERILEX® products are available in different product sizes, but all grades are based on a patented synthesis process. As a result, this new range of silica products provides a unique balance of performance benefits.



Key properties

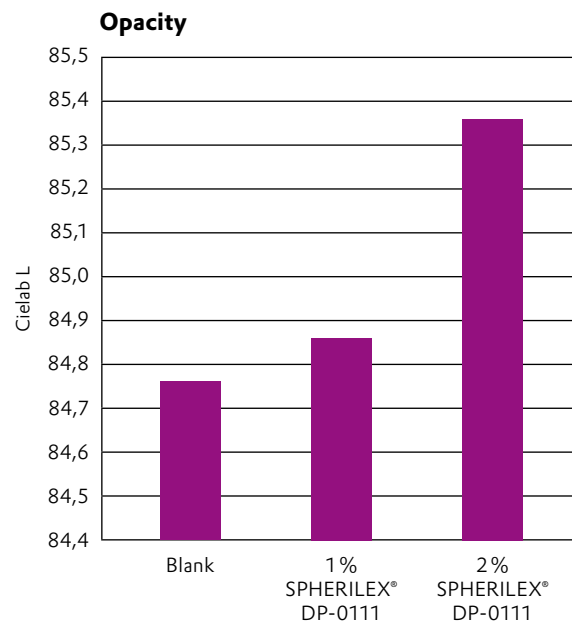
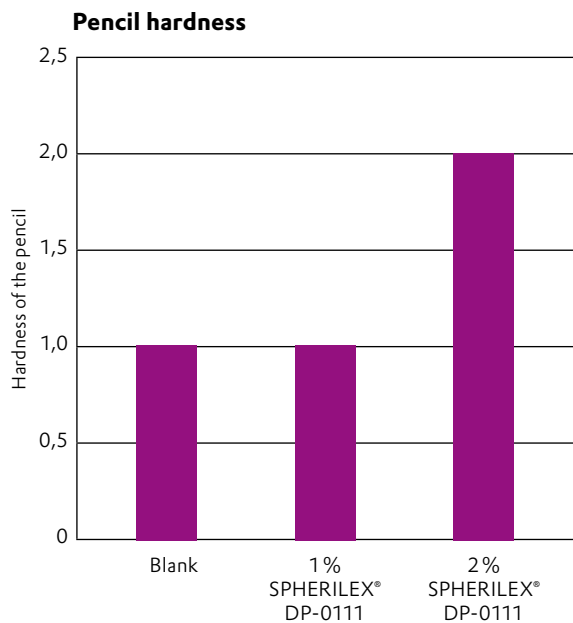
- Excellent burnish resistance
- Very good wash-ability and scrub resistance
- High surface smoothness
- Very low oil absorption
- Low viscosity even at high loading levels
- Very low binder demand

SPHERILEX® Product Information

PROPERTIES	DP-0111	DP-0112	DP-0115
Oil absorption (ml/100g)	30–50	40–60	30–50
Median particle size (µm)	~5.5	~10	~15
Specific surface area BET (m ² /g)	<12	<12	<12

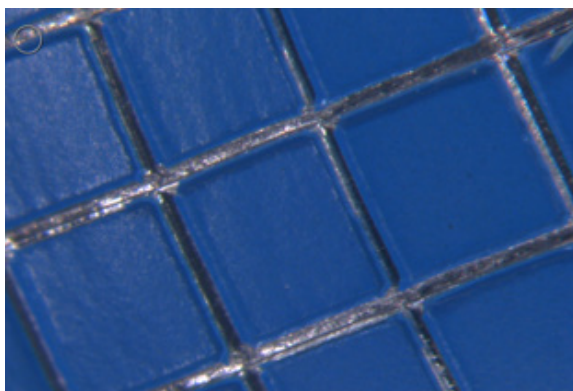


Click here for more information!

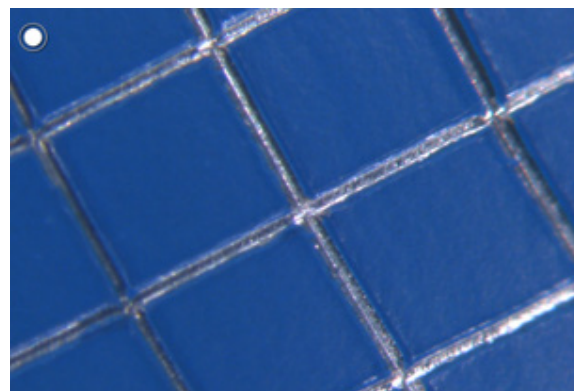


2% SPHERILEX® DP-0111 improves coating hardness and opacity

Cupping test with cross-cut (DIN EN 13523-6)



Blank



with SPHERILEX® DP-0111

This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall Evonik assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. EVONIK EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NONINFRINGEMENT, MERCHANTABILITY AND / OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. Evonik reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice. ACEMATT®, ADDID®, AEROSIL®, AIRASE®, ALBIDUR®, CARBOWET®, DYNOL™, NANOCRYL®, SILIKOFTAL®, SILIKOPHEN®, SILIKOPON®, SILIKOPUR®, SILIKOTOP®, SIPERNAT®, SURFYNOL®, TEGO®, TEGOMER® and ZETASPERSE® are registered trademarks of Evonik Industries or its subsidiaries. Evonik supports you in selecting the best suited product and optimizing current formulations through our Application Technology Group.

EVONIK OPERATIONS GMBH
 Goldschmidtstraße 100
 45127 Essen
 Germany
 Phone +49 201 173-2222
 Fax +49 201 173-1939
coating-additives@evonik.com
www.coating-additives.com