Omya Aqurate™

White Coating on Brown Liner for Enhanced Printability
The world-wide demand for corrugated boxes has steadily increased for many years. The printed surface as a communication and media platform has come into the spotlight in a wide range of applications. Omya Aqurate™ – White Coating on Brown Liner – is a versatile coating concept which responds to this market trend.

Omya Aqurate™ consists of specifically designed Calcium Carbonates to generate high-white opaque coatings. It can be directly applied onto the brown liner substrate, either as a single or double layer and can replace white fibers completely. Omya Aqurate™ coatings provide outstanding coverage and highly-effective, instant ink absorbance for improved print results. Mechanical properties and performance of the liner during converting are maintained.

Two types of pigments, Omya Aqurate™ HO (for high opacity) and Omya Aqurate™ HA (for high absorption) allow manufacturers to tailor coating formulations to specific customer needs.

**Benefits**

- Cost competitive alternative to WTL and CWTL
- Complete replacement of white fibers
- Brightness, opacity, coverage and print performance level adjustable to specific needs
- Double layer concept with excellent full and half-tone print results provides an eye-catching shelf appearance
- Equal liner properties and performance when converted into corrugated boxes
- No yellowing effects of the white liner surface

**Suitable coating methods**

Curtain coating is the technology of choice for single layer coated liners. In a double layer concept, Omya Aqurate™ first layer should be applied by curtain coating, while top coatings can be applied by all state of the art coating technologies, preferably blade or rod coaters.
Omya Aquarete™ for white coating directly on brown liner is a technology patented by Omya

Range of application
Omya Aquarete™ vs. WTL vs. CWTL

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<tr>
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<th>White Top Liner</th>
<th>Omya Aquarete™ Coated Liner (single layer)</th>
<th>Coated White Top Liner</th>
<th>Omya Aquarete™ Coated Liner (double layer)</th>
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<tbody>
<tr>
<td>UV stability / yellowing effect</td>
<td>-</td>
<td>++</td>
<td>+</td>
<td>++</td>
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<tr>
<td>Recommended for</td>
<td>Inline Flexo</td>
<td>Inline Flexo Offline Flexo</td>
<td>Offline flexo Offset</td>
<td>Offline flexo Offline Flexo</td>
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<tr>
<td>Printability</td>
<td>-</td>
<td>0</td>
<td>+</td>
<td>+</td>
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<tr>
<td>Absorption speed</td>
<td>0</td>
<td>++</td>
<td>+</td>
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<tr>
<td>Recommended Coating Technology</td>
<td>Curtain Coating</td>
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<td>Curtain Coating Blade Coating</td>
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Omya Aqurate™ – makes the difference

For Papermakers
The Omya Aqurate™ coating concept - with its easy-to-adjust mix of pigments – allows papermakers to manufacture substrates with a specifically designed level of brightness and opacity, tailored to the final use. Customers can count on the technical expertise of Omya specialists when designing and adjusting coating formulations. Especially, when to achieve best results in combining state-of-the-art technology such as curtain coating, and innovative coating pigments.

For Converters
Attract brand-owners attention with an innovative solution in corrugated packaging. The results in full and half-tone printing, color rendering and line sharpness of Omya Aqurate™ coated corrugated board compared to the equivalent state of the art substrate will create brand distinction.