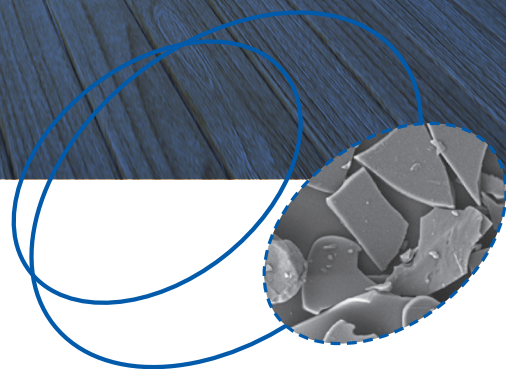




THE APPLICATION OF MINERAL SCIENCE

ClearLite®

High transparency and formulation
cost savings for matt wood finishes



The **ClearLite®** product range provides a new level of transparency in water-based wood clear coating systems.

The specially selected ore from IMERY'S mines is refined and engineered leading to a matting agent with a unique structure that combines transparency and high loading rates.

ClearLite® replaces both the traditional matting agent and some of the binder, delivering a cost effective value proposition to the formulator.

ATTRIBUTES

- Transparency
- Matting efficiency
- Knot blocking
- Wood warming
- Low dust product
- Smoothness
- Stain resistance



IMERY'S

ClearLite®

ClearLite® is a lamellar engineered perlite from Imerys for highly transparent satin to matt water-based clear coats and wood finishes systems.

ClearLite® reduces the binder dosage at very high transparency levels with maintained mechanical performances. A lower quantity of clear coat is required with **ClearLite®** to cover the same surface area at the same gloss level and Dry Film Thickness.

Versatile and universal **ClearLite®** can successfully be used in matt, satin and gloss applications for interior and exterior formulations becoming a single reference for one-stop shop.



MORE TRANSPARENT, MORE COST EFFICIENT

Test in a typical water-based acrylic mono-component system

| Wet formulation composition (wt %) | Reference | ClearLite® 6 | Reference | ClearLite® 6 |
|------------------------------------|-----------|--------------|-----------|--------------|
| Gloss 60° | ~30 | | ~50 | |
| Water + additives | 23.9 | 25.4 | 24.7 | 25.7 |
| Synthetic amorphous silica | 1.6 | - | 0.8 | - |
| ClearLite® 6 | - | 8.0 | - | 5.0 |
| Acrylic binder | 74.5 | 66.6 | 74.5 | 69.3 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 |
| Volume solid content % | ~39 | | ~38 | |
| Transparency ΔE*vs reference | - | -1.8 | - | -1.3 |

All technical data is provided for information only. It does not constitute a specification. Specifications are available on request.

ACHIEVING TRANSPARENCY WITH CLEARLITE®

Varnishes applied side-by-side on a black chart. On the left, hazy system with reference. On the right, visible transparency with **ClearLite® 6**.



FOR MORE INFORMATION

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