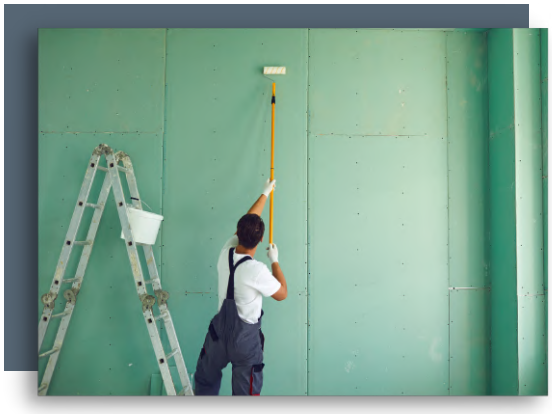
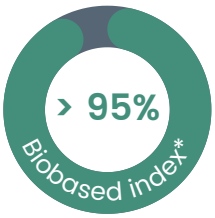


ecoat
RESPECT THE FUTURE

Secoia® 1400

Low carbon footprint waterbased binder for interior wall paint



*Based on C content measured according to EN 16640

Binder characteristics

- Biobased Alkyd emulsion
- Low yellowing binder
- VOC < 1 g/L
- Biosourced content (>95%)
- The lowest carbon footprint binder on the market
- Compatible for blending with existing petrobased aqueous binders

Benefits for your paints

- Low VOC / Low odor
- Lower your carbonfootprint
- Very good applicability (alkyd touch)
- High quality (adhesion, scrub resistance…)
- No coalescing agent needed
- Good reactivity with associative thickeners
- Similar finished cost to Styrene Acrylic paints
- Compliant with environmental labels

Comparative Results

Example of an orientation mate wall paint formulation.

Density (g/cm^3)	1,54
Solids in weight (%)	60.5
PVC with additives (%)	68
PVC/CPVC	1,093

Paint characteristics

Paints have been prepared based on 3 binders : Secoia® 1400, VAE (Vinyl Acetate-Ethylene copolymer) emulsion and a conventional Styrene Acrylic emulsion. The following are performances of these paints.

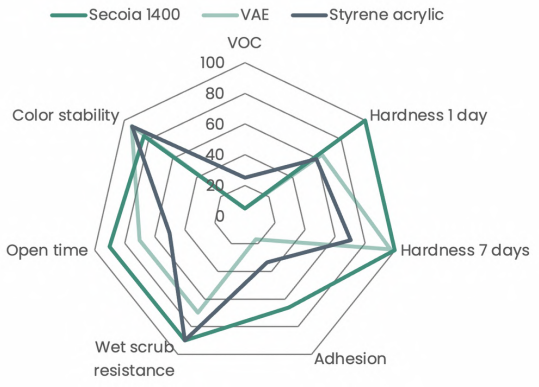


Figure 1: Key performance of paints based on Secoia® 1400 versus standard binders

Starting paint formulations are available on request.

Because of its low Glass Transition Temperature (Tg), Secoia® 1400 does not require the addition of costly additives such as coalescing agent, plasticizer, or co-solvent.

Use in blending

Secoia® 1400 can advantageously be blended with all type of aqueous binders, such as VAE and Styrene acrylic ones. It allows to lower the amount of coalescing agent, improve open time and applicability, while reducing the carbon footprint and reaching the 20% Biobased content necessary to get Biopreferred and Ok Biobased labels. See below such an example with a 22%/78% blend of Secoia® 1400 with a styrene Acrylic binder

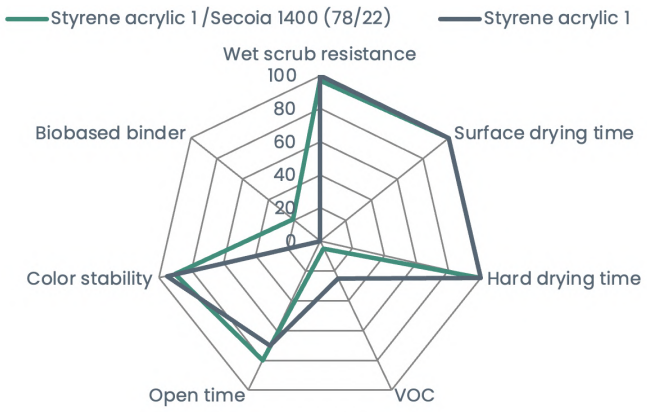


Figure 2: Comparison of performances of paints based on petrobased Styrene Acrylic versus its blend (78/22 wt%) with Secoia® 1400

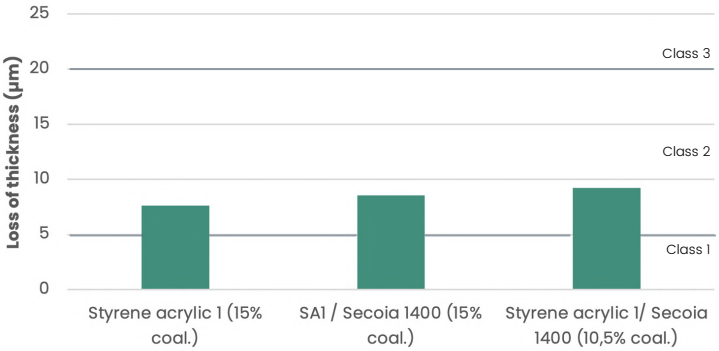


Figure 3: Wet scrub resistance of paints based on Styrene acrylic and blend of Styrene acrylic/Secoia® 1400 according to ISO 11998

Secoia® 1400 alone or in blending: the solution to lower your environmental impact (VOC & carbon footprint) without compromising the performance (adhesion, applicability, open time, hardness…)

Please contact us if you want more details on these data: info@ecoat.fr