

DESCRIPTION

Latex with high glass transition temperature (T_g) can result in brittle, opaque and non-continuous films due to the poor coalescence of the particles, favoring some common defects in paints, such as leaching of hydrophilic species. Coalescing agents can be added to these polymers in order to improve the film formation and enhance the film properties, even under critical conditions, such as low temperatures. Coalescing agents are solvents used in waterborne paints to reduce the MFFT (minimum film formation temperature) of the latex providing a continuous and smooth film.

Oxiteno innovates launching a new low VOC coalescing agent that was designed to be suitable for the most common latexes used in the architectural coatings industry.

Product	Chemical Description	CAS#
ULTRAFILM® 5000	ESTER	PROPRIETARY

APPLICATION RESULTS

ULTRAFILM® 5000 is a new coalescing agent with boiling point higher than 280°C that has low odor and low VOC.

ULTRAFILM® 5000 shows high efficiency in different polymeric systems by favoring the interdiffusion of polymeric chains from one particle to another, the coalescence, and the leveling of latex films. This results in:

- High efficiency in decreasing MFFT;
- Excellent scrub resistance in the final paint;
- Excellent leaching resistance;
- Good hardness development;
- High dirt pickup resistance.

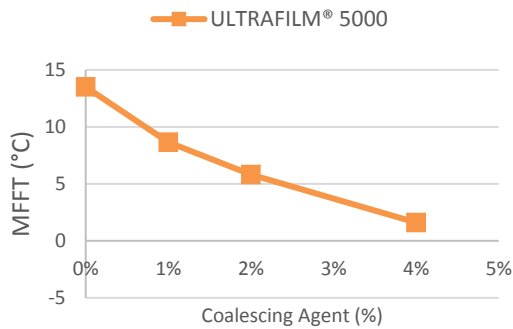
PHYSICAL PROPERTIES

Product	Appearance at 25°C	Color Gardner	Boiling Point (°C)	Density (g/ml)
ULTRAFILM® 5000	Liquid	0.0 - 1.0	283	0.96

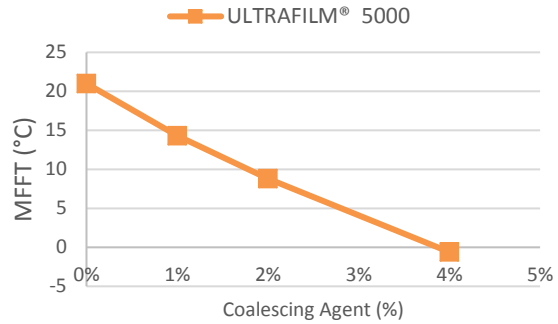
INFORMATIVE PROPERTIES

ULTRAFILM® 5000 efficiency in decreasing the MFFT can provide a cost reduction in the formulation through the optimization of the coalescing agent dosage.

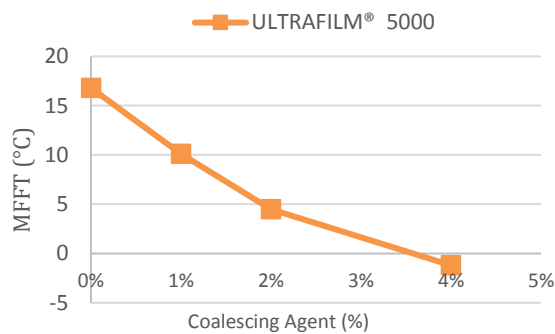
Vinyl-Acrylic Latex



Styrene-Acrylic Latex



Pure Acrylic Latex



STORAGE AND HANDLING

Store in a covered, well-ventilated area, away from sunlight and away from sources of heat or open flame. Ensure that the storage locale has adequate control of temperature, pressure, and humidity. Keep the containers hermetically sealed when not in use. Avoid inhalation and contact with eyes, skin or clothing through proper protection. For more information, consult the Safety Data Sheet (SDS).

¹The physical properties described in the table are only for informational purposes and may be changed without notice. Please contact Oxiteno for updated data. ²Chemical Abstracts Service.

DISCLAIMER

This information is given in good faith, based on Oxiteno's current knowledge on the subject, and is purely indicative. Any information, including suggestions for using the products, should not preclude experimental testing and verification, which are essential to ensure the suitability of the products to each specific application. All users shall also abide by local laws and obtain all necessary permits. When handling the product, consult the safety data sheet. In case of questions or additional needs, please contact Oxiteno through our customer service channels

COMMERCIAL OFFICES

Brazil

+55 11 3177 6102
oxiteno@oxiteno.com

Colombia

+57 11 555 0070
oxiteno.colombia@oxiteno.com

Argentina

+54 11 4115 5600
oxiteno.argentina@oxiteno.com

Mexico

+52 55 5322 0560
oxiteno.mexico@oxiteno.com

United States

+1 346 718 6200
oxiteno.usa@oxiteno.com