FAMACRIL P 182 ECO

INDOOR COATINGS

Aligned with the European market's demand for sustainable and efficient solutions, FAMACRIL P 182 ECO is a next-generation styrene-acrylic dispersion developed by LXBD. Its water-based formulation is free of plasticizers, solvents, ammonia, and APEO emulsifiers, making it an environmentally responsible choice for high-quality coatings. With a minimum film-forming temperature of 3 °C, it allows the production of paints without coalescents, ensuring excellent performance and low VOC emissions.



Total Solids Content (%):	50 ± 1 %
Brookfield Viscosity RVT 23ºC (2/20 rpm, mPa•s):	400 - 2.000
pH:	7,0 - 9,0
Minium film forming temperature (ºC):	3 ± 1
Ionic charge:	Anionic
Specific weight at 20ºC (Kg/dm³):	1,05



MAIN PROPERTIES

- Low VOC content and eco-friendly composition.
- Excellent binding capacity for mineral substrates.
- Very good mechanical strength (elongation, breaking, and maximum force).
- High resistance to hydrolysis and wet scrubbing.
- Outstanding stability in formulations, even after long storage.
- Allows the development of emulsion-silicate paints, combining water-vapor permeability with waterproofing.
- Excellent rheological behavior with associative thickeners.

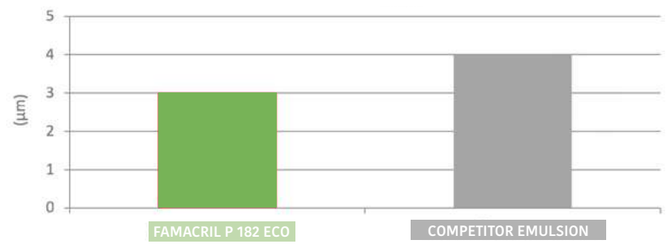




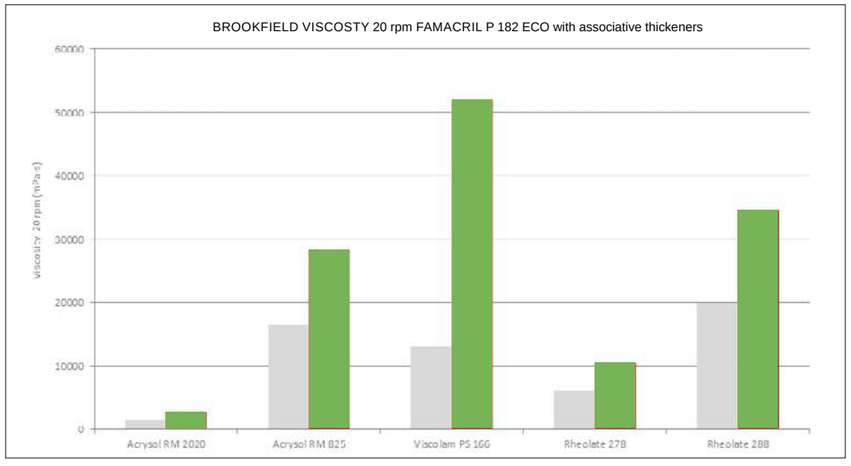
FAMACRIL P 182 ECO SCRUB RESISTANCE IN WET

	Loss of film thickness	Classification according to EN 13300:20001			
FAMACRIL P 182 ECO	3	0 µm	to	5 µm	Class 1
COMPETITOR EMULSION	4	0 µm	to	5 µm	Class 1

Average loss of film thickness. Matt paint with 14% of emulsion 74.7% CPV



BROOKFIELD VISCOSTY 20 rpm FAMACRIL P 182 ECO with associative thickeners



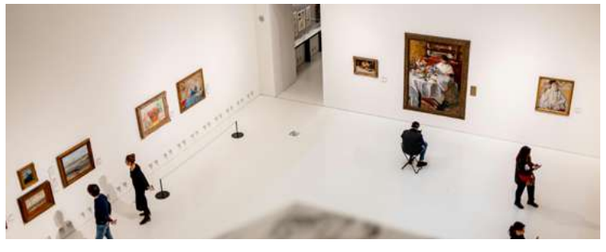


CHARACTERISTICS

- Smooth film appearance with soft touch after drying.
- Excellent mechanical stability during storage and application.
- Very low water absorption, ensuring improved outdoor performance.
- Good elongation and flexibility, even when dried at low temperatures.
- Reliable adhesion to mineral substrates and cementitious bases.
- Stable viscosity over time, maintaining consistent processing behavior.
- Compatible with a wide range of associative thickeners, maintaining good rheology.
- Good resistance to hydrolysis, maintaining integrity under humid or alkaline conditions.

APPLICATIONS

- Matt interior paints with high CPV values, resistant to wet rubbing (ISO 11998).
- Emulsion-silicate paints with excellent water vapor permeability and water resistance.
- Decorative and protective coatings requiring good hydrolysis resistance.
- Coatings and primers with low environmental impact, both indoor and outdoor.



ADVANTAGES

- Enables paint formulations without coalescents.
- Excellent resistance to hydrolysis and wet scrubbing.
- Low water absorption, improving outdoor durability.
- Superior color development and gloss control.

www.lxbd.de