

In the '70s we started the production of pure acrylic and styrene acrylic copolymer dispersions. Our portfolio of products for the decorative coating include a wide variety of applications. Our styrene acrylic copolymers Policril 280 and Policril 226 give the best performances for the indoor matt paints, for which they stand out for the high wet abrasion resistance, and for outdoor paints, with a calibrated use of pigment and fillers, with excellent water resistance. They are also suited for the formulation of silicate paints thanks to their high resistance to alkali conditions. Pure acrylic copolymers Policril 207FF and Policril 547 give a very high resistance to ageing and weathering, with an excellent

retention of colours through the years. Policril 547 stand out for its excellent water resistance gaining the trust of customers as "premier" binder. These properties also give the formulator the latitude to optimize Performance/price ratio for siloxane paints. Alongside with these standard Tg binders, there is a complete line of lower Tg polymers: Policril 282, for indoor paints and flexible mineral membranes; Policril 579 for elastomeric paints and high quality flexible membranes; Policril 277 for LVOC paints. In the end our range also include Policril 581, a styrene acrylic dispersion for priming and stabilization of porous uncohesive substrates, thank to its very low particle size.



**PRODUCTS FOR
DECORATIVE COATINGS**


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MORE THAN 50 YEARS OF EXPERTISE IN THE PRODUCTION OF WATER-BASED POLYMER DISPERSIONS.

We started the production of water-based polymer dispersions back in the '60s. Thereafter we started producing the standard vinyl-versatic copolymer dispersion for the paint industry, Neolith 203VR which is recognized as a reference product in the industry.



Neolith 203VR offers an optimal balance of properties and a wide latitude in the formulation and handling of indoor and outdoor paints: an actual "work-horse". The product is also available in the LVOC version. Alongside with Neolith 203VR new products have been developed lately: Neolith 9100L which provide an excellent alkali resistance for the formulation of lime paints and the modification of cement based mixes; Neolith 275, a state-of-the-art vinylacrylic copolymer with a very good wet abrasion resistance, suited for indoor paints and LVOC paints.

Neolith range

Type	Product	APEO's free	Stabilisation	Solid content (%)	Brookfield viscosity RVT (mPa.s.)	pH	Particle size (µ)	Tg (°C)	MFFT (°C)	General properties and applications
Vinylacetate homopolymers	NEOLITH 125 F	✓	C-S	55	4000	5,0	≈ 0,35	15	4	homopolymer for I applications
Vinylacetate / VeoVa copolymers	NEOLITH 203 VR	✓	C-S	50	4500	5,0	≈ 0,25	18	6	high scrub resistance for I paints
	NEOLITH 203 VR I G	✓	C-S	50	4500	5,0	≈ 0,25	18	6	high scrub resistance for I paints
	NEOLITH 9100 L	✓	PVOH	54	2000	5,0	≈ 1,00	10	5	high hydrolysis resistance for lime-based compounds
	NEOLITH 9450 L	✓	PVOH	43	5000	5,0	≈ 2,20	6	1	high hydrolysis resistance- low VOC for lime-based compounds

C: cellulose; S: surfactant; I: indoor; O: outdoor

Policril range

Type	Product	APEO's free	Stabilisation	Solid content (%)	Brookfield viscosity RVT (mPa.s.)	pH	Particle size (µ)	Tg (°C)	MFFT (°C)	General properties and applications
All-acrylic copolymers	POLICRIL 202	✓	S	46	< 1000	8,0	≈ 0,14	26	19	Acrylic enamels
	POLICRIL 207 FF	✓	S	46	3000	7,7	≈ 0,12	15	12	High scrub resistance for O paints
	POLICRIL 279	✓	S	50	< 500	7,5	≈ 0,11	3	1	Low MFFT and low VOC
	POLICRIL 514	✓	S	50	1500	7,5	≈ 0,09	65	/	Acrylic enamels
	POLICRIL 546	✓	S	50	< 1000	7,7	≈ 0,14	5	10	Low VOC paints (I and O) - excellent UV resistance
	POLICRIL 547	✓	S	50	< 1000	7,7	≈ 0,09	24	18	High water resistance O finishes
	POLICRIL 549	✓	S	49	< 1000	7,7	≈ 0,09	24	< 10	High water resistance and low MFFT
	POLICRIL 574	✓	S	50	5500	7,5	≈ 0,11	-8	0	High water resistance flexible 1-k membrane; elastomeric paints
	POLICRIL 575	✓	S	40	< 150	6,5	≈ 0,08	60	/	Non-film-forming primer for wood substrates
	POLICRIL PG 11	✓	S	40	< 1000	7,5	≈ 0,07	/	28	Acrylic enamels; improved rheology binder
Styrene / acrylic copolymers	POLICRIL 223	✓	S	50	9000	7,5	≈ 0,11	3	1	Flexible 1-k membranes - elastomeric paints
	POLICRIL 223 S	✓	S	50	9000	7,5	≈ 0,11	3	1	High water resistance flexible 1-k membranes - elastomeric paints
	POLICRIL 278	✓	S	50	1000	7,5	≈ 0,11	8	/	Low VOC paints (I and O) - excellent storage life
	POLICRIL 280	✓	S	50	4000	7,7	≈ 0,09	25	22	High scrub resistance paints
	POLICRIL 282	✓	S	50	7500	7,7	≈ 0,10	4	2	Flexible 1-k membranes; elastomeric paints
	POLICRIL 290	✓	S	50	9000	8,0	≈ 0,12	17	14	High water resistance paints
	POLICRIL 581	✓	S	34	< 500	8,2	≈ 0,05	7	4	Primer for porous substrates (gypsum and cement)
Acrylic dispersants	POLICRIL DS 02	✓	=	44	< 1000	7,0	=	/	/	Dispersing agent for pigments and fillers
Acrylic thickeners	POLICRIL A	✓	S	30,5	50	3,0	≈ 0,10	/	/	Medium thickening agent ASE
	POLICRIL AD	✓	S	30,5	50	3,0	≈ 0,09	/	/	Medium thickening agent ASE
	POLICRIL AK	✓	S	30,5	50	3,0	0,10 ÷ 0,20	/	/	High thickening agent HASE

S: surfactant; I: indoor; O: outdoor; ASE: alkali soluble emulsion; HASE: hydrophobically modified alkali soluble emulsion

