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TEXTILE INDUSTRY PRODUCTS

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

At the beginning of the 70s FAR started the production of acrylic and styrene-acrylic copolymers. The possibility to adjust the monomer composition allows the formulation of binders with a great variety of softness and stiffness. Therefore acrylic copolymers are perfectly suited for the textile applications. For the pigment printing, Policril 305R is recognized as the reference product. Policril 369R is specifically designed to provide an excellent retention of color after washing; Policril 354R stands out for his brilliant retention of color, very good solvent resistance and very low formaldehyde content, which brings about the possibility to be largely within the limits of the release of formaldehyde. For waddings and TNT our Policril are used both as binders of TNT and as finishing systems of the surfaces to improve chemical and mechanical resistances.



The range is wide and covers all the requests for stiffness and flexibility and the chemical and mechanical resistances. Policril binders can also be used as textile coatings and for flocking, where Policril 301R and Policril 304R provide the best adhesion performances.

NEOLITH range

Type	Product	APEO's free	Stabilisation	Solid content (%)	Brookfield viscosity-RVT (mPa.s.)	pH	Particle size (µ)	Tg (°C)	MFFT (°C)	CH2O (ppm) average	General properties and applications
Vinylacetate homopolymers	NEOLITH TS 40	✓	C-S	40	1050	5,0	0,50 ÷ 2	/	15	free	Stiffening
	NEOLITH NP 50 F	✓	C-S	50	2750	5,0	0,50 ÷ 2	/	7	free	Finishing and stiffening

C: cellulose; S: surfactant;

POLICRIL range

Type	Product	APEO's free	Stabilisation	Solid content (%)	Brookfield viscosity-RVT (mPa.s.)	pH	Particle size (µ)	Tg (°C)	MFFT (°C)	CH2O (ppm) average	General properties and applications
All-acrylic copolymers standard	POLICRIL 301 R	✓	S	45	300	5,5	≈ 0,20	-45	1	300	Coating and flocking
	POLICRIL 304 R	✓	S	45	200	3,0	≈ 0,20	-19	1	300	Coating, flocking and imitation leather
	POLICRIL 305 R	✓	S	45	150	6,5	≈ 0,20	-9	1	300	Non woven, finishing doping and imitation leather
	POLICRIL 307 R	✓	S	45	200	6,5	≈ 0,20	34	32	300	Waddings, finishing and doping
	POLICRIL 309 R	✓	S	50	150	2,8	≈ 0,20	36	32	300	Waddings, finishing and doping
	POLICRIL 312 R	✓	S	45	200	5,0	≈ 0,20	=	1	300	Binder for waddings
	POLICRIL 314 R	✓	S	45	200	5,0	≈ 0,20	-2	1	300	Binder for woven non woven, finishing
	POLICRIL 319 R	✓	S	45	200	5,0	≈ 0,20	42	25	300	Binder for waddings
	POLICRIL 320 R	✓	S	45	200	5,0	≈ 0,15	45	30	300	Binder for waddings and abrasive fibers
	POLICRIL 321 R	✓	S	45	200	5,5	≈ 0,20	=	1	300	Waddings, finishing and doping
	POLICRIL 326 R	✓	S	45	200	4,0	≈ 0,20	=	10	300	Finishing
POLICRIL 350 R	✓	S	45	200	200	5,0	≈ 0,18	-13	1	300	Binder for printing textile
Styrene / acrylic copolymers standard	POLICRIL 369 R	✓	S	40	< 500	3,0	≈ 0,24	-16	1	500	Washing resistant binder for printing textile
	POLICRIL 374 R	✓	S	40	< 100	4,0	≈ 0,20	31	30	500	Impregnation of woven non woven for bitumen membranes
All-acrylic copolymers low formaldeide (< 100 ppm)	POLICRIL 354 R	✓	S	53	< 500	5,0	≈ 0,17	-8	1	< 100	Binder for non woven and wadding
	POLICRIL 384 R	✓	S	45	< 500	6,5	≈ 0,15	-12	1	< 100	Binder for non woven and wadding
	POLICRIL 396 R	✓	S	45	< 500	7,0	≈ 0,15	-8	1	< 100	Binder for non woven and wadding
All-acrylic copolymers formaldeide free	POLICRIL 801 R	✓	S	49	< 500	8,0	≈ 0,24	-40	1	free	Coating and flocking
	POLICRIL 805 R	✓	S	49	< 300	8,0	≈ 0,14	-13	1	free	Non woven, finishing doping and leatherette
	POLICRIL 807 R	✓	S	45	< 300	8,0	≈ 0,20	34	32	free	Wadding, finishing and doping
Styrene-acrylic copolymers	POLICRIL A	✓	S	30,5	50	3,0	≈ 0,10	69	/	free	Medium thickening ASE
	POLICRIL AD	✓	S	30,5	50	3,0	≈ 0,09	69	/	free	Medium thickening agent ASE
	POLICRIL AK	✓	S	30,5	50	3,0	0,10 ÷ 0,20	41	/	free	High thickening HASE

S: surfactant; ASE: alcali soluble emulsion; HASE: hydrophobically modified alkali soluble emulsion;

