

# Products for decorative coatings

## More than 50 years of expertise in the production of water-based polymer dispersions

### Neolith range

We started the production of water-based polymer dispersions back in the '60s. Thereafter we started producing the standard vinylversatic 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.



Type	Neolith	NPEO free	Stabilisation	Solid content (%)	Brookfield viscosity -RVT (mPa.s.)	pH	Particle size (m)	Tg (°C)	MFFT (°C)	General properties and applications
Vinylacetate homopolymers	125 F	✓	C-S	55	4000	5	0,4	15	4	Standard homopolymer for I
Vinylacetate/Veova copolymers	203VR	✓	C-S	50	4500	5	0,2	18	6	Standard copolymer binder for I/O
	203VRIG	✓	C-S	50	4500	5	0,2	18	6	Standard copolymer binder for I/O
	9100 L	✓	PVOH	54	2000	5	1,6	10	5	Premium binder for lime paints
Vinylacetate/acrylic copolymer	275	✓	C-S	54	2500	5	0,3	19	9	Low VOC high wet scrub resistance for I
Vinyl/maleic copolymer	230 BM5	✓	C-S	55	7500	5	0,4	11	06:05	Good elasticity

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



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.

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## Policril range

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



Type	Policril	NPEO free	Stabilisation	Solid content (%)	Brookfield viscosity -RVT (mPa.s.)	pH	Particle size (m)	Tg (°C)	MFFT (°C)	General properties and applications
All-acrylic copolymers	200		S	46	2200	8	0,1	11	4	Standard acrylic for O
	202L	✓	S	46	<1000	8	0,1	26	19	Standard acrylic for O
	205		S	46	2200	8	0,1	14	9	Standard acrylic for O
	207FF	✓	S	46	3000	7,7	0,11	15	12	High scrub resistance acrylic for I/O
	277	✓	S	50	<500	7,7	0,2	2	1	High scrub resistance low VOC binder
	514	✓	S	50	1500	7,5	0,09	65		Varnishes for hard surfaces
	547	✓	S	50	<1000	7,7	0,09	24	18	Premium binder with high water resistance
	564	✓	S	54	<1000	6,5	0,2	-14	0	Binder mortar modification
	590	✓	S	54,5	<1000	6,5	0,2	-30	0	Binder for flexible 2 kmortar
Styrene/acrylic copolymers	290		S	50	9000	8	0,1	17	14	Standard copolymer binder for I/O
	280	✓	S	50	4000	7,7	0,09	25	22	Standard copolymer binder for I/O
	282	✓	S	50	7500	7,7	0,1	4	2	Elastic standard copolymer binder for I/O
	579		S	50	7500	8,5	0,1	-8	0	Elastic copolymer binder
	575		S	40	<150	6,5	0,1	60		Primer for wood stain
	581	✓	S	34	<500	8,2	0,05	7	4	Primer for cement and gypsum substrate
	592	✓	S	54,5	<1000	6,5	0,2	-28	0	Binder for flexible 2 kmortar-improved workability
	596	✓	S	50	<1000	6,5	0,2			
	HHR	✓	S	54	<1000	6,5	0,2			
Acrylic thickeners	A	✓	S	30,5	50	3	0,1			Medium thickening ASE
	AD	✓	S	30,5	50	3	0,09			High thickening ASE
	AK	✓	S	30,5	50	3	0,09			High thichening HASE

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

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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.