ORGANİK KİMYA

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Polymer Emulsions & Specialty Chemicals

Coating Solutions



Architectural Coatings

Interior Paints

Product Name	Chemical Composition	Total Solid (% ±1)	pH	Viscosity (mPa.s max)	MFFT (°C)	Tg (°C)	Features & Benefits
Orgal® P 850 RR	AC	50	8.0 - 9.0	1000	18	22	Universal binder, wet adhesion, hydrophobicity
Orgal® P 6830	VA / AC	55	4.5 - 5.5	750	12	20	High scrub, multi surface adhesion, water resistance
Orgal® Duraflex 72 S	S / AC	50	7.0 - 8.0	600	20	20	Silanated universal ST-AC, hydrophobicity & adhesion
Orgal® PST 50 A	S / AC	50	7.5 - 9.0	11000	20	20	Universal ST-AC, broad PVC paints
Orgal® P 878	AC	46	8.0 - 9.0	500	14	21	Silanated AC, high scrub resistance, hydrophobicity

Interior Paints Solvent Free

Product Name	Chemical Composition	Total Solid (% ±1)	pH	Viscosity (mPa.s max)	MFFT (°C)	Tg (°C)	Features & Benefits
Orgal® PR 650	AC	50	8.0 - 8.5	500	<3	-1	Tannin & stain blocking, premium primer & topcoats
Orgal® P 8429	AC	46	7.5 - 8.5	500	<5	6	Easy clean, hydrophobic, low water whitening
Orgal® P 036 V	AC	50	8.0 - 9.0	500	<0	3	Solvent free interior & exterior paints, broad PVC
Orgal® P 74 S	S / AC	50	7.0 - 8.0	2000	<3	5	Silanated ST-AC, high scrub, high alkaline resistance
Orgal® P 062V	VA / AC	53	4.0 - 5.5	4000	<3	11	Solvent free, low surface tack, broad PVC interior paints
Orgal® P 6821	VA / AC	55	4.5 - 5.5	2000	<3	9	Excellent water and scrub resistance for high PVC paints

Exterior Paints

Product Name	Chemical Composition	Total Solid (% ±1)	pH	Viscosity (mPa.s max)	MFFT (°C)	Tg (°C)	Features & Benefits
Orgal® P 850 RR	AC	50	8.0 - 9.0	1000	18	22	Universal binder, wet adhesion, hydrophobicity
Orgal® PST 50 A	S / AC	50	7.5 - 9.0	11000	20	20	Universal ST-AC, broad PVC paints
Orgal® P 839 W	AC	46	7.5 - 8.5	500	17	n/a	Hydrophobic, high water resistance, low water permeability
Orgal® Duraflex 84 S	AC	50	7.0 - 8.0	500	5	n/a	Silanated AC, breathability, excellent water resistance, low VOC,good dirt pick-up resistance
Orgal® P 878	AC	46	8.0 - 9.0	500	14	21	Silanated AC, hydrophobicity, early wash off resistance, good dirt pick-up resistance
Orgal® P 826 L	AC	58	8.5 - 9.5	3000	5	9	High solid, high outdoor durability and water resistance

Eggshell-Semigloss Paints

Product Name	Chemical Composition	Total Solid (% ±1)	pH	Viscosity (mPa.s max)	MFFT (°C)	Tg (°C)	Features & Benefits
Orgal® 850 RR	AC	50	8.0 - 9.0	1000	18	22	Universal binder, wet adhesion, hydrophobicity
Orgal® P 050G	AC	47	8.0 - 8.5	1000	<3	n/a	High adhesion, low VOC capability, block resistance
Orgal® P 839 W	AC	46	7.5 - 8.5	500	17	n/a	Hydrophobic, high water resistance, low water permeability
Orgal® P 526	VA/VV	55	4.0 - 6.0	5000	11	25	High solid and good gloss development
Orgal® F 4515	AC	43	8.5 - 9.0	400	15	n/a	Self crosslinking, excellent water & alcohol resistance, block resistance

Gloss Paints

Product Name	Chemical Composition	Total Solid (% ±1)	pH	Viscosity (mPa.s max)	MFFT (°C)	Tg (°C)	Features & Benefits
Orgal® P 888	AC	45	7.0 - 8.0	500	24	30	High gloss
Orgal® P 050G	AC	47	8.0 - 8.5	1000	<3	n/a	High adhesion, low VOC capability, block resistance
Orgal® CX 3011	S / AC	42	7.0 - 8.0	200	40	36	Highest gloss, adhesion on metal & glass

Plasters

Product Name	Chemical Composition	Total Solid (% ±1)	pH	Viscosity (mPa.s max)	MFFT (°C)	Tg (°C)	Features & Benefits
Orgal® 850 RR	AC	50	8.0 - 9.0	1000	18	22	Universal binder, wet adhesion, hydrophobicity
Orgal® Duraflex 72 S	S / AC	50	7.0 - 8.0	600	20	20	Silanated ST-AC, hydrophobicity & adhesion on mineral
Orgal® P 8429	AC	46	7.5 - 8.5	500	<5	6	Hydrophobic, low water whitening
Orgal® P 74 S	S / AC	50	7.0 - 8.0	2000	<3	5	Silanated, silicate and alkaline stability, zero VOC capable

Garage Floor and Concrete Sealer

Product Name	Chemical Composition	Total Solid (% ±1)	pH	Viscosity (mPa.s max)	MFFT (°C)	Tg (°C)	Features & Benefits
Orgal® P 878	AC	46	8.0 - 9.0	500	14	21	Silanated AC, hydrophobicity, early wash off resistance, good dirt pick-up resistance
Orgal® F 4630	AC	40	7.8 - 8.5	1000	20	n/a	Excelllent adhesion, hardness, high chemical resistance, good hot tire pick-up
Orgal® F 4550	AC	45	8.2 - 9.2	500	50	n/a	High block resistance, hardness

Hobby Craft Paint

Product Name	Chemical Composition	Total Solid (% ±1)	pH	Viscosity (mPa.s max)	MFFT (°C)	Tg (°C)	Features & Benefits
Orgal® P 050 G	AC	47	8.0 - 8.5	1000	<3	n/a	High adhesion, low VOC capability, block resistance
Orgal® F 4630	AC	40	7.8 - 8.5	1000	20	n/a	Excelllent adhesion, hardness, high chemical resistance good hot tire pick-up
Orgal® F 9100	AC	44	8.0 - 9.0	1000	<5	n/a	Excellent hot block resistance & exterior durability
Orgal® P 6830	VA / AC	55	4.5 - 5.5	750	12	20	High scrub, multi surface adhesion, water resistance
Orgal® P 062 V	VA / AC	53	4.0 - 5.5	4000	<3	11	Solvent free, low surface tack, broad PVC interior paints
Orgal® P 036 V	AC	50	8.0 - 9.0	500	<0	3	Solvent free interior & exterior paints, broad PVC

Metal Coatings

Product Name	Chemical Composition	Total Solid (% ±1)	pH	Viscosity (mPa.s max)	MFFT (°C)	Tg (°C)	Features & Benefits
Orgal® F 6560	S / AC	47	8.0 - 8.5	500	25	n/a	Excellent anti corrosion resistance for Direct-to-Metal (DTM) applications
Orgal® CX 3011	S / AC	42	7.0 - 8.0	200	40	36	Highest gloss, adhesion on metal & glass
Orgal® CX 3015-X	S / AC	49	7.5 - 9.0	4000	22	22	General interior metal applications with light corrosion resistance
Orgal® P 8429	AC	46	7.5 - 8.5	500	<5	6	Easy clean, hydrophobic, low water whitening

Elastomerics

Elastomeric Wall Paints

Product Name	Chemical Composition	Total Solid (% ±1)	pH	Viscosity (mPa.s max)	MFFT (°C)	Tg (°C)	Features & Benefits
Orgal® K 6459 E	AC	55	7.5 - 8.5	1000	<0	-35	UV X-linking, dirt pick-up resistance
Orgal® K 6455 BC	AC	60	6.0 - 7.5	2000	<0	-35	Benzophenone compliant, high solids, UV X-linking, crack bridging and dirt pick-up resistance
Orgal® P 806 S	S / AC	50	7.5 - 9.0	9000	<0	-6	Silanated ST-AC, balanced properties



Wood Coatings

Architectural Wood & Trim Paints

Product Name	Chemical Composition	Total Solid (% ±1)	pH	Viscosity (mPa.s max)	MFFT (°C)	Tg (°C)	Features & Benefits
Orgal® P 050G	AC	47	8.0 - 8.5	1000	<3	n/a	High adhesion,high gloss low VOC capability
Orgal® P 838 W	AC	46	7.5 - 8.5	500	14	n/a	High water resistance & durability, excellent for wood stain
Orgal® F 4515	AC	43	8.5 - 9.0	400	15	n/a	Chemical resistance, hydrophobicity, block resistance
Orgal® P 888	AC	45	7.0 - 8.0	500	24	30	High gloss
Orgal® F 9100	AC	44	8.0 - 9.0	1000	<5	n/a	Excellent hot block resistance & exterior durability
Orgal® F 4630	AC	40	7.8 - 8.5	1000	20	n/a	In-can clarity, blocking resistance, hardness, wood warmth, and chemical resistance for interior applications

Joinery Coatings

Product Name	Chemical Composition	Total Solid (% ±1)	pH	Viscosity (mPa.s max)	MFFT (°C)	Tg (°C)	Features & Benefits
Orgal® P 086 V	AC	43	8.5 - 9.0	400	14	n/a	Ultra-low liquid water permeability, block resistance
Orgal® P 050 G	AC	47	8.0 - 8.5	1000	<3	n/a	High adhesion, block resistance, low VOC capability
Orgal® F 9100	AC	44	8.0 - 9.0	1000	<5	n/a	Excellent hot block resistance & exterior durability

Furniture Coatings

Product Name	Chemical Composition	Total Solid (% ±1)	pH	Viscosity (mPa.s max)	MFFT (°C)	Tg (°C)	Features & Benefits
Orgal® F 4050	AC	40	8.0 - 9.0	500	49	49	Chemical resistance, scratch resistance & hardness, wood warmth
Orgal® F 4530	AC	43	8.0 - 9.0	400	26	n/a	Early stackability, chemical resistance, natural look
Orgal® F 4550	AC	45	8.2 - 9.2	500	50	n/a	High block resistance, hardness
Orgal® F 4626	AC	46	8.5 - 9.5	500	22	n/a	Grain rising resistance, hydrophobicity
Orgal® F 4630	AC	40	7.8 - 8.5	1000	20	n/a	In-can clear, blocking resistance, hardness, wood warmth, chemical resistance

Primers

Minerals

Product Name	Chemical Composition	Total Solid (% ±1)	pH	Viscosity (mPa.s max)	MFFT (°C)	Tg (°C)	Features & Benefits
Orgal® PR 9464	AC	46	8.0 - 9.0	500	<3	7	Effloresence resistance
Orgal® PR 670	S / AC	30	7.0 - 8.0	100	5	8	Deep penetrating primer
Orgal® P 74 S	S / AC	50	7.0 - 8.0	2000	<3	5	Efflorescence resistance

Wood

Product Name	Chemical Composition	Total Solid (% ±1)	pH	Viscosity (mPa.s max)	MFFT (°C)	Tg (°C)	Features & Benefits
Orgal® P 839 W	AC	46	7.5 - 8.5	500	17	n/a	Hydrophobic, high water resistance, low water permeability
Orgal® F 4530	AC	43	8.0 - 9.0	400	26	n/a	Hardness, fast drying, stackability
Orgal® F 4626	AC	46	8.5 - 9.5	500	22	n/a	Grain rising resistance, hydrophobicity
Orgal® F 5100	ASR	45	2.1 - 4.1	100	n/a	110	Higher thickening efficieny, good transfer ability Used for roller coater applied MDF primers and cardboard inks

Tannin/Stain Blocking

Product Name	Chemical Composition	Total Solid (% ±1)	pH	Viscosity (mPa.s max)	MFFT (°C)	Tg (°C)	Features & Benefits
Orgal® PR 650	AC	50	8.0 - 8.5	500	<3	-1	Tannin & stain blocking, premium primer & topcoats
Orgal® F 4325	AC	43	8.0 - 9.0	400	27	n/a	Sandable, chemical resistance

Dispersants & Thickeners

Product Name	Chemical Composition	Total Solid (% ±1)	pH	Viscosity (mPa.s max)	Features & Benefits
Dispersant DMA 40	Sodium Polycarboxylate	40	5.0 - 6.0	2000	Efficient odourless dispersant ensuring good color acceptance, dispersion, and viscosity stability.
Dispersant K 850	Sodium Polycarboxylate	30	8.5 - 10.5	350	Dispersant with broad use, low foam, and strong stability in color, viscosity, and ZnO systems.
Dispersant ASP 42	Ammonium Polycarboxylate	40	6.5 - 7.5	400	High-efficiency dispersant for water-based paints, ensuring stable pigment and filler dispersion.
Orgal® M 340	ASE	30	2.1 - 4.1	n/a	Pseudoplastic rheology, recommended for anti settling and texture effect.
Orgal® M 420	ASE	28	2.1 – 4.1	n/a	Pseudoplastic rheology, recommended for spray application.
Orgal® M 520	ASE	28	2.1 - 4.1	n/a	Strong shear-thinning rheology modifier for outstanding sag and sedimentation control.
Orgal® HT 465	HASE	30	2.1 - 4.1	35	Highly efficient, strongly shear-thinning rheologyideal for high sag resistance and film build in paints.

Legend

S	Styrene
AC	Acrylic and Acrylic Copolymer
VA	Vinyl Acetate
VV	Vinyl Versetate
ASE	Alkali Swellable Emulsion
HASE	Hydrophobically Modified Alkali Swellable Emulsion
Tg (°C)	Glass Transition Tempperature
Viscosity (mPa.s max.)	Brookfield Viscosity @25°C
MFFT (°C)	Minimum Film Formation Temperature
n/a	Not Applicable

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the chemistry between us

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