

## Dyspersje

Nowoczesne dyspersje akrylowe, alkidowe, poliuretanowe, styrenowo-akrylowe oraz modyfikowane silanami, stosowane są jako podstawowe surowce w produkcji wielu rodzajów wyrobów powłokowych i chemii budowlanej.

Między innymi stosowane są do:

- farb dekoracyjnych (wewnętrznych i fasadowych),
- tynków akrylowych,
- emalii ogólnego stosowania,
- lakierów na drewno i wszelkie inne rodzaje podłoży.

Nazwa	Sucha masa (%)	pH	MFFT (°C)
<b>Akrylowe</b>			
RA 103	45±1	7,5-8,5	3
RA 104	50±1	7,5-8,5	5
RA 114	50±1	7,5-8,5	14
<b>Styrenowo-akrylowe</b>			
SAC 140	50±1	7,5-8,5	5
<b>Drobnocząsteczkowa</b>			
H 35	35±1	7,5-8,5	0

IDROBEN - WATER EMULSION RESINS													
IDROBEN	Type and Modification	Oil %	Solvent	Solids %	Viscosity [cps at 25°C]	A.V. Solids	pH	Colour	Applications				Suggested uses
									Air	Bake	Nitro	Catalyz.	
130	Alkyd Emulsion - Drying Fatty Acids	20	WATER	42	1500 3000 (20°C)	...	6.5-7.5	Milky White		■		■	Industrial air- drying or baking enamels. Tinting pastes vehicle.
178	Aliphatic Urethane Alkyd Emulsion - Special Fatty Acids	33	WATER	44	500 2300	...	7.0-8.0	Milky White	■	■			Fast air-drying enamels with high body and flexibility. Recommended for industrial and "do it yourself" applications.
180	Aromatic Urethane Alkyd Emulsion - Drying Fatty Acids	20	WATER	43	450 1200 (20°C)0	...	7.0 - 8.0	Milky White	■	■			Industrial anticorrosive primers, fast air drying finishes with good adhesion and mechanical characteristics.

IDROBEN - WATER DISPERSION RESINS												
IDROBEN	Type and Modification	Oil %	Solvent	Solids %	Visc [Brookf.] m Pa.s	OH% Solids	pH	Colour	Applications			Suggested uses
									Air	Bake	Catalyz.	
PD 723	Aliphatic Polyurethane Dispersion Special fatty acids		WATER	40	<1000	...	7.5 - 8.5	Milky White	■	■	■	Fast air-drying Decorative and Industrial finishes endowed with high characteristics of adhesion, high-body and gloss, to be also applied by brush.
PD 717	Aliphatic Polyurethane dispersion Special fatty acids		WATER	40	<200	...	7.5 - 8.5	Milky White	■	■		Very fast air-drying Decorative and Industrial finishes endowed with high hardness and good mechanical characteristics.
PD 7051	Aliphatic Hydroxylated Polyurethane Dispersion		WATER	40	100 1000	4.4 - 4.6	7.0 - 8.5	Milky White		■	■	Two Comp. clear and pigmented enamels, cross-linked with aliphatic Poly-Isocyanates endowed with high gloss values, non yellowing, flexibility, chemical resistance and weatherability properties.
201	Polyurethane Dispersion	...	WATER	32	<100	...	8,5-9	White translucent	■	■		Film-forming resin, very fast-drying, suggested for flexible sealers and finishes for wood, metals and plastics, possibly to be combined with acrylic resins. No coalescent required.
202	Polyurethane Acrylic Dispersion	...	WATER	34	20-100	...	8.0-9.0	White translucent	■	■		Film-forming resin for sanding sealers and finishes for wood, metals and plastics, possibly to be combined with acrylic resins. No coalescent required.
207	Aliphatic Polyurethane Dispersion	...	WATER	32	0-500	...	7.5 - 8.2	White translucent	■	■		NMP_free, film-forming, fast-drying resin endowed with flexibility and surface hardness, mar and water resistances. Finishes for wood, metals, glasses and plastics, possibly to be combined with acrylic resins. No coalescent required.

ACRIBEN - ACRYLIC EMULSION												
IDROBEN/ ACRIBEN	Type and Modification	Solvent	Solids %	Visc [Brookf.] m Pa.s	pH	MFT	TG	Colour	Density	Applications		Suggested uses
										Air	Bake	
<b>SA 338</b>	Self Cross-linking Acrylic Emulsion	WATER	39	< 500	7.5 - 8.5	15°C	39°C	Milky White		■	■	Fast drying clear and pigmented water based top-coats for furniture endowed with very good transparency and chemical resistance matched with Non Yellowing properties.
<b>SA 437</b>	Self Cross-linking Acrylic Emulsion	WATER	37	< 250	8.0 – 9.0	10°C	19°C	Milky White		■	■	Fast drying clear and pigmented water based sealers for furniture endowed with very good sanding, good transparency. Non Yellowing.
<b>SA 5302</b>	Self Cross-linking Acrylic Emulsion	WATER	40	< 500	7,5-8,5	9°C	-	Milky White		■	■	Fast drying and fast blocking resistant coatings for Joinery, Suitable for indoor and outdoor in clear and opaque systems, endowed with high blocking and good early water resistance.
<b>4913</b>	Acrylic Emulsion - oil modified	WATER - BUTYL GLICOL	42	150-300	7.5-8.2	0°C	-	Milky White		■	■	Clear and pigmented systems for Indoor and outdoor, endowed with high body and glossy, particularly suggested for wood stains with good impregnating characteristics. Finishes for wood and metals. No coalescent required.

IDROBEN - UV WATERBORNE POLYURETHANE DISPERSIONS												
IDROBEN	Type and Modification	Solvent	Solids %	Visc [Brookf.] m Pa.s	pH	MFT	TG	Colour	Density	Applications		Suggested uses
										Air	Bake	
UV 747	UV curable Aliphatic Polyurethane Dispersion	WATER	40	<500	7.0 – 7.8	-	-	Milky White		■		Especially recommended for clear sealers and topcoats for wood paints. It's tack free before the lamps, showing good hardness after curing.
UV 76	UV curable Aliphatic Polyurethane Dispersion	WATER	40	250-1000	7.0 - 8.0	-	-	Milky White		■		Especially recommended for clear and pigmented sealers and topcoats for wood paints. It's tack free before the lamps, showing high hardness and chemical resistances behaviour after curing.
UV 737G	UV curable Aliphatic Polyurethane Dispersion	WATER	40	50-1000	7.5 – 8.0	-	-	Milky White		■		Suitable for clear glossy topcoats especially on wood substrates. The binder is sticky before the UV lamps and shows good hardness and gloss value (>90) after curing.

IDROBEN - WATER-DILUTABLE RESINS													
IDROBEN	Type and Modification	Oil %	Solvent	Solids %	Visc. [G.H.]	A.V. Solids	pH	Colour [G.H.] max.	Applications				Suggested uses
									Air	Bake	Nitro	Catalyz.	
828	Alkyd - Special fatty acids	30	BUTYLGLYCOL Sec. BUTANOL	75	Z4 - Z5	38 - 44	...	4	■	■			Non yellowing air-drying or baking enamels, with high-mechanical performances. Stoving undercoats and primers for metal.
827	Alkyd - Special fatty acids	36	BUTYLGLYCOL Sec. BUTANOL	70	Z3 - Z5	37 - 43	...	6	■	■			Non yellowing fast-drying or baking enamels, with high-mechanical performances. Stoving undercoats and primers for metal.
878	Epoxy ester - Drying fatty acids	48	BUTYLGLYCOL	68	Z2+1/2 - Z3	45 - 55	...	12	■	■			Baking - curing primers or finishes with high characteristics of adhesion.
4705	Soya fatty acids	38	BUTYLGLYCOL	75	Z5 - Z6	50 - 60	...	4	■	■			High solid non yellowing paints, suitable both for air and fast-drying baking enamels or primers.
EP 5595	Epoxy ester Acryl modified - Drying fatty acids	38	BUTYLGLYCOL BUTANOL	70	Z1 - Z3	46 - 51	...	5	■	■			Fast Air and Baking - curing primers or finishes with high characteristics of adhesion, flow and hardness.
3519	Saturated Polyester	---	BUTYLGLYCOL	69	Z1-Z2	45 - 50	---	2		■			Industrial baking enamels with good post-formability, particularly suitable for collapsible tubes and cans. Good build up flow and hardness properties.
2026	Saturated Polyester	---	WATER	50	Z4 - Z6	...	7.0 - 8.0	2		■			Zero - voc, non - yellowing baking industrial primers and enamels, with very good adhesion and high mechanical characteristics.

\*=viscosity brookfield mPas 25°C