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5.01 POLYESTERS

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1959

The current plant was founded by Nino Benasedo in Caronno Pertusella.

1882

The company was born as bodied oils producer.

1963

Great technical innovation thanks to Valerio Scocco.

1975

Nino Benasedo passed away and Valerio Scocco took over the company.

THE COMPANY

N. Benasedo S.p.A. was born in Milan in 1882, producing bodied linseed oils and in 1959, Nino Benasedo founded the current plant in Caronno Pertusella.

Benasedo main activity focused on the production of resins for coatings, meeting customer needs through constant innovation.

From its earliest beginnings, the company policy has been addressed to meet the widest possible requirements of the market whilst tailoring the products, to satisfy the specific needs of the individual customer.

In 1963, a young chemist, Valerio Scocco, was hired and brought great technical innovation to the company.

The already existing portfolio of alkyds, anticorrosion and deco products was expanded with the development and introduction of new classes of resins, including polymers for furniture paints, polyols, isocyanates and direct gloss UPR.

In 1975 Nino Benasedo died and the guidance of the business passed to Valerio Scocco and his family to give solid and continuous control of the company.

Over the following years, for can and coil coating application, Benasedo successfully developed new polymers.



2002

Poliresin became part
of Benasedo group.

2020

Improvement
of facilities.

2015

Construction of three
new reactors to increase service
and production capacity.

The acquisition of the Poliresin company in 2002, allowed the introduction of phenolics, acrylics and epoxides to the portfolio, broadening the range of application fields.

Over the years Benasedo and Poliresin have continued to invest in modernization, automation and safety. Both companies earned the Certiquality Certification.

The technological development of recent years has been characterized by the study of products with lower environmental impact, focusing on the introduction of water-based products, biobased monomers, green solvents and recycling materials.



Headquarter
N. Benasedo S.p.A.
in Caronno Pertusella

INDUSTRY

1.01

INDUSTRY

SOLVENT BASED
AIR-DRYING ALKYDS 1/2


PRODUCT NAME	CLASS OF RESIN	TYPE OF OIL OR FATTY ACID	OIL (%)	SOLVENT	SOLID CONTENT (%)	VISCOSITY (G.H.)	ACID VALUE ON SOLID (mg KOH/g)	COLOUR (G.H.) MAX.	AIR	OVEN	NITRO	2K	APPLICATION, CHARACTERISTICS AND USES
BENASOL 3 V SN 100	AIR-DRYING SHORT OIL ALKYD	PHENOLIC LINSEED-TUNG	34	NAPHTHA SOLVENT SN 100	50	Z2 - Z3	15 - 24	8	X		X		- Anticorrosive for pigmented metal primers compatible with nitrocellulose enamels (OVP)
BENASOL 3 V X	AIR-DRYING SHORT OIL ALKYD	PHENOLIC LINSEED-TUNG	34	XYLENE	50	Y - Z1	15 - 24	8	X		X		- Anticorrosive for pigmented metal primers compatible with nitrocellulose enamels (OVP)
BENASOL 4 V 60 X *	AIR-DRYING SHORT OIL ALKYD	PHENOLIC LINSEED-TUNG	33	XYLENE	60	Z2 - Z4	23 - 30	8	X		X		- Anticorrosive for pigmented metal primers compatible with nitrocellulose enamels (OVP)
BENASOL 4 V 50 X	AIR-DRYING SHORT OIL ALKYD	PHENOLIC LINSEED-TUNG	33	XYLENE	50	W - Y	23 - 30	8	X		X		- Anticorrosive for pigmented metal primers compatible with nitrocellulose enamels (OVP)
BENASOL 4V BA	AIR-DRYING SHORT OIL ALKYD	PHENOLIC LINSEED-TUNG	33	BUTYL ACETATE	60	Y - Z1	15 - 26	8	X		X		- Anticorrosive for pigmented metal primers compatible with nitrocellulose enamels (OVP)
BENASOL A 34 *	AIR-DRYING SHORT OIL ALKYD	PHENOLIC LINSEED-TUNG-DCO	36	NAPHTHA SOLVENT SN 100	50	Z2 - Z4	10 - 20	7	X				- Anticorrosive for pigmented metal primers
BENASOL 5097	AIR-DRYING MEDIUM OIL ALKYD	PHENOLIC LINSEED-TUNG	42	DEAROMATIZED WHITE SPIRIT D 40	50	Z - Z2	6 - 15	9	X				- Pigmented primers with very high adhesion on metals - Excellent chemical and outdoor resistance
BENASOL 4792	AIR-DRYING SHORT OIL ALKYD	LINSEED OIL	47	NAPHTHA SOLVENT SN 100	55	Z2 - Z3	15 - 24	7	X				- Anticorrosive for pigmented metal primers - Compatible with phenolic resin for galvanized steel
BENASOL AS 280 X/BA	AIR-DRYING SHORT OIL ALKYD	SOYA FATTY ACIDS	28	XYLENE/ BUTYL ACETATE	60	Y - Z1	6 - 15	5	X	X	X	X	- Fast air-drying enamels - Can be cured at low temperature in the oven - High chemical/mechanical resistance also in outdoor environments
BENASOL AS 280 BA	AIR-DRYING SHORT OIL ALKYD	SOYA FATTY ACIDS	28	BUTYL ACETATE	70	Z2 - Z4	6 - 15	5	X	X	X	X	- Fast air-drying enamels can be cured at low temperature in the oven - High chemical/mechanical resistance also in outdoor environments
BENASOL 1424	AIR-DRYING SHORT OIL ALKYD	DCO	35	XYLENE	60	Y - Z1	30 - 45	6	X	X			- Ideal for high performance industrial enamels - Low temperature oven cured
BENASOL CO 34 *	AIR-DRYING SHORT OIL ALKYD	SPECIAL FATTY ACIDS	34	TOLUENE	60	Y - Z1	6 - 12	5	X				- Industrial enamels (road marking paints) - Very fast air-drying white or coloured enamels - Can be combined with chlorinated rubber

1.02

INDUSTRY

SOLVENT BASED
AIR-DRYING ALKYDS 2/2


PRODUCT NAME	CLASS OF RESIN	TYPE OF OIL OR FATTY ACID	OIL (%)	SOLVENT	SOLID CONTENT (%)	VISCOSITY (G.H.)	ACID VALUE ON SOLID (mg KOH/g)	COLOUR (G.H.) MAX.	AIR	OVEN	NITRO	2K	APPLICATION, CHARACTERISTICS AND USES
BENASOL CO 35	AIR-DRYING SHORT OIL ALKYD	SOYA FATTY ACIDS	35	XYLENE	60	Z2 - Z4	6 - 15	8	X		X		<ul style="list-style-type: none"> - Polyurethane modified alkyd - Very fast air-drying - High quality nitrocellulose paints
BENASOL G 36	AIR-DRYING SHORT OIL ALKYD	SOYA FATTY ACIDS	36	XYLENE	60	Z2 - Z3	8 - 12	5	X		X	X	<ul style="list-style-type: none"> - Air-drying enamels for general applications - Nitrocellulose lacquers for polyurethane primers
BENASOL CO 37	AIR-DRYING SHORT OIL ALKYD	SUNFLOWER FATTY ACIDS	37	BUTYL ACETATE	65	Z1 - Z2	6 - 12	4	X				<ul style="list-style-type: none"> - Aliphatic polyurethane modified alkyd - Non-yellowing enamels - Fast air-drying suitable for all external applications
BENASOL AS 3716	AIR-DRYING SHORT OIL ALKYD	SOYA FATTY ACIDS	37	BUTYL ACETATE	75	Z3 - Z4	0 - 8	4	X				<ul style="list-style-type: none"> - White and coloured fast air-drying enamels - Industrial applications - High solid products
BENASOL AS 379	AIR-DRYING SHORT OIL ALKYD	SOYA FATTY ACIDS	43	XYLENE	60	Z1 - Z2	6 - 12	5	X				<ul style="list-style-type: none"> - Fast air-drying enamels - Industrial/construction industry - Can be combined with chlorinated rubber to give fast through drying
BENASOL AS 308	AIR-DRYING MEDIUM OIL ALKYD	SOYA FATTY ACIDS	47	XYLENE	60	Z1 - Z2	6 - 12	6	X				<ul style="list-style-type: none"> - Air-drying enamels - Industrial/construction industry - Can be combined with chlorinated rubber to give fast through drying

1.03

INDUSTRY

SOLVENT BASED
EPOXY ESTERS

PRODUCT NAME	CLASS OF RESIN	TYPE OF OIL OR FATTY ACID	OIL (%)	SOLVENT	SOLID CONTENT (%)	VISCOSITY (G.H.)	ACID VALUE ON SOLID (mg KOH/g)	COLOUR (G.H.) MAX.	AIR	OVEN	APPLICATION, CHARACTERISTICS AND USES
EPOBEN R 403 X	EPOXY ESTER	SPECIAL FATTY ACIDS	40	XYLENE	50	T - W	0.5 - 1.5	4	X	X	<ul style="list-style-type: none"> - Anticorrosive primers rich in zinc - Air-drying/oven cured primers and enamels - Excellent adhesion, chemical resistance
EPOBEN R 403 SN 100	EPOXY ESTER	SPECIAL FATTY ACIDS	40	NAPHTHA SOLVENT SN 100	60	Z3 - Z5	0.5 - 1.5	5	X	X	<ul style="list-style-type: none"> - Anticorrosive primers rich in zinc - Air-drying/oven cured primers and enamels - Excellent adhesion, chemical resistance

1.04

INDUSTRY

SOLVENT BASED
2K POLYESTERS TOPCOATS


Resins for coatings since 1959

PRODUCT NAME	CLASS OF RESIN	SOLVENT	SOLID CONTENT (%)	VISCOSITY (G.H.)	ACID VALUE ON SOLID (mg KOH/g)	COLOUR (G.H.) MAX.	OVEN	2K	OH % ON SOLID RESIDUE	APPLICATION, CHARACTERISTICS AND USES
ISOBEN 10 SN100/BA	HYDROXYLATED POLYESTER	NAPHTHA SOLVENT SN 100/ BUTYL ACETATE	60	T - V	12 - 22	2		X	2.6	<ul style="list-style-type: none"> - Industrial polyurethane paints requiring small quantities of isocyanates overprint paints - High reactivity and good compatibility with acrylic resins
ISOBEN 10 BA	HYDROXYLATED POLYESTER	BUTYL ACETATE	70	Z - Z2	12 - 22	2		X	3	<ul style="list-style-type: none"> - Industrial polyurethane paints requiring small quantities of isocyanates overprint paints - High reactivity and good compatibility with acrylic resins
ISOBEN 212	HYDROXYLATED POLYESTER	NAPHTHA SOLVENT SN 100/ BUTYL ACETATE	60	Z - Z2	10 - 18	1.2	X	X	3.6	<ul style="list-style-type: none"> - Industrial polyurethane paints - Non-yellowing - High outdoor resistance - Can be used also for oven applications
ISOBEN 6	HYDROXYLATED POLYESTER	BUTYL ACETATE	70	Y - Z1	15 - 24	3		X	4.1	<ul style="list-style-type: none"> - Polyurethane enamels for wood and metals - High gloss industrial paints - High mechanical resistance and durability - Good compatibility with acrylic resins
ISOBEN C 400	HYDROXYLATED POLYESTER	BUTYL ACETATE	80	Z3 - Z5	10 - 15	2		X	4.3	<ul style="list-style-type: none"> - High gloss clear/pigmented topcoats - Pigmented pastes for 2K application
ISOBEN 168	HYDROXYLATED POLYESTER	BUTYL ACETATE	80	Y - Z1	10 - 20	1.6		X	5.2	<ul style="list-style-type: none"> - High solid polyurethane enamels for wood and metals - High gloss industrial paints - High mechanical resistance and durability - Good compatibility with acrylic resins

1.05

INDUSTRY

SOLVENT BASED
 ALKYDS FOR TINTING PASTES



Resins for coatings since 1959

PRODUCT NAME	CLASS OF RESIN	TYPE OF OIL OR FATTY ACID	OIL (%)	SOLVENT	SOLID CONTENT (%)	VISCOSITY (G.H.)	ACID VALUE ON SOLID (mg KOH/g)	COLOUR (G.H.) MAX.	AIR	OVEN	2K	APPLICATION, CHARACTERISTICS AND USES
BENASOL AS 377 *	AIR-DRYING SHORT OIL ALKYD	TALL OIL	43	MPA	70	Z1 - Z3	6 - 10	5	X		X	- Non-yellowing fast air-drying enamels used for industrial and deco pigmented pastes - Can be catalyzed (2.2%)
BENASOL AS 450	AIR-DRYING MEDIUM OIL ALKYD	SPECIAL FATTY ACIDS	45	XYLENE	70	Y/Z - Z	2 - 6	6	X	X		- Used for industrial and deco pigmented pastes - Excellent wetting properties - High compatibility with a broad range of different binders
BENASOL AS 451	AIR-DRYING MEDIUM OIL ALKYD	SPECIAL FATTY ACIDS	45	XYLENE	75	Y - Z1	6 - 15	6	X	X		- High solid for industrial and deco pigmented pastes - Excellent wetting properties - High compatibility with a broad range of different binders
BENASOL AS 452 SN 100	AIR-DRYING MEDIUM OIL ALKYD	SPECIAL FATTY ACIDS	37	NAPHTHA SOLVENT SN 100	75	X - Z	4 - 8	8	X	X		- Used for industrial and deco pigmented pastes - Excellent wetting properties and low yellowing - High compatibility with a broad range of different binders also with epoxy resins
BENASOL AS 452 MPA *	AIR-DRYING MEDIUM OIL ALKYD	SPECIAL FATTY ACIDS	37	MPA	75	X - Z	4 - 8	8	X	X		- Used for industrial and deco pigmented pastes - Excellent wetting properties and low yellowing - High compatibility with a broad range of different binders also with epoxy resins
BENASOL AS 453	AIR-DRYING MEDIUM OIL ALKYD	SPECIAL FATTY ACIDS	42	NAPHTHA SOLVENT SN 100	70	V - X	4 - 10	6	X	X		- Used for industrial and deco pigmented pastes - Excellent wetting properties - High compatibility with a broad range of different binders also with epoxy resins

1.06

INDUSTRY

SOLVENT BASED
 MODIFIED SILICONE RESINS


PRODUCT NAME	CLASS OF RESIN	TYPE OF OIL OR FATTY ACID	OIL (%)	SOLVENT	SOLID CONTENT (%)	VISCOSITY (G.H.)	ACID VALUE ON SOLID (mg KOH/g)	COLOUR (G.H.) MAX.	AIR	OVEN	APPLICATION, CHARACTERISTICS AND USES
BENASOL SL 58	SILICONE-MODIFIED ALKYD	SPECIAL FATTY ACIDS	53	DEAROMATIZED WHITE SPIRIT D 40	60	Y - Z1	6 - 12	6	X		<ul style="list-style-type: none"> - Air-drying resin for metal topcoats resistant to atmospheric and marine agents - Good colour retention over time - Medium temperature resistance - Particularly suitable for the treatment of smoke exhaust chimneys
BENESTER SL 260	SILICONE-MODIFIED POLYESTER			MPA	65	Z2 - Z3	8 - 20	3		X	<ul style="list-style-type: none"> - Coatings for household appliances, cooking and bakeware - Temperature resistance - Glossy appearance - Low thermoplasticity - Compliant with FDA Regulation 21 CFR 175.300
BENESTER SL 263	SILICONE-MODIFIED POLYESTER			MPA	57	W - Y		3		X	<ul style="list-style-type: none"> - Coatings for household appliances, cooking and bakeware - Good adhesion and temperature resistance - Low thermoplasticity - High blistering resistance in boiling water - Compliant with FDA Regulation 21 CFR 175.300

1.07

INDUSTRY

SOLVENT BASED
 VARIOUS APPLICATION FIELDS

PRODUCT NAME	CLASS OF RESIN	TYPE OF OIL OR FATTY ACID	OIL (%)	SOLVENT	SOLID CONTENT (%)	VISCOSITY (G.H.)	ACID VALUE ON SOLID (mg KOH/g)	COLOUR (G.H.) MAX.	AIR	OVEN	2K	OH % ON SOLID RESIDUE	APPLICATION, CHARACTERISTICS AND USES
BENASOL E 184	NON DRYING SHORT OIL ALKYD	SPECIAL FATTY ACIDS	28	XYLENE	70	Z1 - Z3	6 - 12	3		X	X	2.4	<ul style="list-style-type: none"> - Topcoats for car body - Non-yellowing nitrocellulosic paints - Oven cured enamels or 2K polyurethane components
BENESTER 742	SATURATED POLYESTER			XYLENE	65	V - X	18 - 22	2		X	X		<ul style="list-style-type: none"> - Oven cured primers or enamels (120 °C) - Particularly suggested for metallic car body - Good adhesion, flexibility, hardness and outdoor resistance - High compatibility with different types of CAB
HARTBEN 405/I	AROMATIC POLYISOCYANATE			ETHYL ACETATE	80	M - R		2		X			<ul style="list-style-type: none"> - Tin free flexo inks - Good adhesion and high flexibility - Indicated for paper and plastic packaging - High compatibility with nitro

1.08

INDUSTRY

WATER BASED
AIR-DRYING RESINS

PRODUCT NAME	CLASS OF RESIN	TYPE OF OIL OR FATTY ACID	OIL (%)	SOLVENT	SOLID CONTENT (%)	VISCOSITY (G.H.) / (cP)	ACID VALUE ON SOLID (mg KOH/g)	APPEARANCE/ COLOUR (G.H.) MAX.	pH	AIR	OVEN	2K	APPLICATION, CHARACTERISTICS AND USES
IDROBEN 828	WATER-DILUTABLE	SPECIAL FATTY ACIDS	30	BUTYL GLYCOL/ sec-BUTANOL	75	24 - 25	38 - 44	4		X	X		- Air-drying anticorrosive primers or enamels - Can be used also in oven applications - High mechanical characteristics
IDROBEN 8280	WATER-DILUTABLE	SPECIAL FATTY ACIDS	30	BUTYL GLYCOL	75	25 - 26	38 - 44	4		X	X		- Air-drying anticorrosive primers or enamels - Can be used also in oven applications - High mechanical characteristics
IDROBEN 928 *	WATER-DILUTABLE	SPECIAL FATTY ACIDS	31	BUTYL GLYCOL/ sec-BUTANOL	75	25 - 27	30 - 45	4		X	X		- Fast air-drying anticorrosive primers or enamels - High mechanical characteristics
IDROBEN 2651	WATER-DILUTABLE	SPECIAL FATTY ACIDS	35	BUTYL GLYCOL/ sec-BUTANOL	65	21 - 24	35 - 43	4		X	X		- High gloss air-drying anticorrosive primers or enamels - Can be used also in oven applications - High mechanical characteristics
IDROBEN 827	WATER-DILUTABLE	SPECIAL FATTY ACIDS	36	BUTYL GLYCOL/ sec-BUTANOL	70	23 - 25	40 - 47	6		X	X		- Fast air-drying anticorrosive primers or enamels - Can be used also in oven applications - High mechanical characteristics
IDROBEN 180	AROMATIC URETHANE ALKYD EMULSION	SUNFLOWER FATTY ACIDS	20	WATER	43	500- 2000 cP (20°C)		MILKY WHITE	7 - 8	X			- Anticorrosive industrial primers - Very fast air-drying/good adhesion and mechanical properties
IDROBEN 178	ALIPHATIC URETHANE ALKYD EMULSION	SPECIAL FATTY ACIDS	33	WATER	44.5	500- 2300 cP (20°C)		MILKY WHITE	7 - 8	X			- Very fast air-drying paints and enamels - High body and flexibility - Ideal for the industrial sector
IDROBEN 207	ALIPHATIC POLYURETHANE DISPERSION			WATER	32	10 - 500 cP (25 °C)		TYNDALL EFFECT	7.5 - 8.2	X			- Topcoats for wood/metal/glass and plastic also combined with acrylic resins - Fast drying, flexible and hard - Does not require coalescents
IDROBEN PD 717	ALIPHATIC POLYURETHANE DISPERSION	NON-YELLOWING FATTY ACIDS	SHORT OIL	WATER	40	<200 cP (25°C)		TYNDALL EFFECT	7.5 - 8.5	X			- Very fast air-drying primers and topcoats - Hard/very good mechanical resistance
IDROBEN PD 718	ALIPHATIC POLYURETHANE DISPERSION			WATER	40	<200 cP (25 °C)		TYNDALL EFFECT	7.5 - 8.5	X			- Topcoats for wood/metal/glass and plastic also combined with acrylic resins - Fast drying, flexible and hard - Non-yellowing
IDROBEN PD 723	ALIPHATIC POLYURETHANE DISPERSION	NON-YELLOWING FATTY ACIDS	SHORT OIL	WATER	40	<1000 cP (25 °C)		MILKY WHITE	7.5 - 8.5	X		X	- Clear and coloured primers/topcoats for wood - Constructions sector - Decorative field

1.09

INDUSTRY


WATER BASED
EPOXY ESTERS

PRODUCT NAME	CLASS OF RESIN	TYPE OF OIL OR FATTY ACID	OIL (%)	SOLVENT	SOLID CONTENT (%)	VISCOSITY (G.H.)	ACID VALUE ON SOLID (mg KOH/g)	COLOUR (G.H.) MAX.	AIR	OVEN	APPLICATION, CHARACTERISTICS AND USES
IDROBEN 878	WATER-DILUTABLE EPOXY ESTER	LINSEED FATTY ACIDS	48	BUTYL GLYCOL	68	Z2+1/2 - Z3	45 - 55	12	X	X	- Anticorrosive primers - Industrial sector - Ideal for metallic alloys
IDROBEN 5948	WATER-DILUTABLE EPOXY ESTER	LINSEED FATTY ACIDS	47	BUTYL GLYCOL	65	Z - Z2	65 - 72	14	X	X	- Anticorrosive primers - Industrial sector - Ideal for metallic alloys - High adhesion and stability

1.10

INDUSTRY

WATER BASED
2K DISPERSIONS

PRODUCT NAME	CLASS OF RESIN	SOLVENT	SOLID CONTENT (%)	VISCOSITY (cP)	APPEARANCE	AIR	OVEN	2K	OH % ON SOLID RESIDUE	pH	APPLICATION, CHARACTERISTICS AND USES
IDROBEN PD 7051	ALIPHATIC POLYURETHANE DISPERSION	WATER	40	10 - 1000 cP (25 °C)	MILKY WHITE		X	X	4.5	7 - 8.5	- For pigmented/clear primers and topcoats for metal, glass and concrete - Good compatibility with aliphatic polyisocyanates - Good flexibility, high gloss and adhesion - Resistant to chemicals and outdoor agents 

1.11

INDUSTRY

WATER BASED
OVEN CURED

PRODUCT NAME	CLASS OF RESIN	TYPE OF OIL OR FATTY ACID	OIL (%)	SOLVENT	SOLID CONTENT (%)	VISCOSITY (G.H.) / (cP)	ACID VALUE ON SOLID (mg KOH/g)	APPEARANCE/ COLOUR (G.H.) MAX.	AIR	OVEN	2K	pH	APPLICATION CHARACTERISTICS AND USES
IDROBEN 130	ALKYD EMULSION	SUNFLOWER FATTY ACIDS	20	WATER	42	< 3000 cP (25 °C)		MILKY WHITE	X	X	X	6.5 - 7.5	- Oven cured enamels - High wettability of pigmented pastes
IDROBEN 2503	WATER-DILUTABLE POLYESTER			BUTYL GLYCOL	70	Z3 - Z4	46 - 52	2		X			- Sealers/clear paints and enamels - Oven cured with melamine - Industrial application
IDROBEN 4705 *	WATER-DILUTABLE ALKYD	SOYA FATTY ACIDS	38	BUTYL GLYCOL	75	Z5 - Z6	50 - 60	4		X			- Ideal for primers/topcoats - High solid paints - Oven cured - High reactivity
IDROBEN 2026	WATER-DISPERSION POLYESTER			WATER	50	8000 - 15000 cP (25 °C)		2		X		7 - 8	- Primer/topcoat on metals - Oven cured with melamine - Good flexibility and reactivity
IDROBEN 2045 C *	WATER-DISPERSION POLYESTER			WATER	33	500-2500 cP (25 °C)		2		X			- Non-yellowing - Oven cured with melamine - High body, flexibility, adhesion and mechanical resistance - High stability
IDROBEN 201	POLYURETHANE DISPERSION			WATER	32	<100 cP (25 °C)		TYNDALL EFFECT	X	X		8.5 - 9	- Indicated for primers and topcoats for wood/metal/plastic - Film-forming resin - Extremely fast air-drying, flexible and non-yellowing - Can be used in combination with acrylic resins - No coalescents are required
IDROBEN 204	POLYURETHANE DISPERSION			WATER	32	<100 cP (25 °C)		TYNDALL EFFECT	X	X		8.5 - 9	- Indicated for primers and topcoats for wood/metal/plastic - Film-forming resin - Extremely fast air-drying and flexible - Can be used in combination with acrylic resins - No coalescents are required

*The resin foresees a MOQ



DECO



2.01

DECO


TOPCOAT APPLICATIONS 1/2

PRODUCT NAME	CLASS OF RESIN	TYPE OF OIL OR FATTY ACID	OIL (%)	SOLVENT	SOLID CONTENT (%)	VISCOSITY (G.H.)	ACID VALUE ON SOLID (mg KOH/g)	COLOUR (G.H.) MAX.	APPLICATION, CHARACTERISTICS AND USES
BENASOL SC 63	AIR-DRYING LONG OIL ALKYD	SOYA AND DCO	63	DEAROMATIZED WHITE SPIRIT D 40	70	Z4 - Z5	6 - 12	7	<ul style="list-style-type: none"> - High gloss for white and coloured enamels - Excellent outdoor performances - Easy application on different substrates
BENASOL FX 66	AIR-DRYING LONG OIL ALKYD	LOW YELLOWING SPECIAL FATTY ACIDS	67	DEAROMATIZED WHITE SPIRIT D 40	70	Z1 - Z3	6 - 8	3	<ul style="list-style-type: none"> - High gloss for white and coloured enamels - Excellent outdoor performances - "Do it yourself" - Colour retention in the dark
BENASOL L 65	AIR-DRYING LONG OIL ALKYD	LINSEED OIL	65	DEAROMATIZED WHITE SPIRIT D 40	70	Z3 - Z4	6 - 12	7	<ul style="list-style-type: none"> - High gloss for coloured enamels - Anti-rust applications - "Do it yourself" - Excellent outdoor performances
BENASOL HS 75	AIR-DRYING LONG OIL ALKYD	SOYA FATTY ACIDS	67	DEAROMATIZED WHITE SPIRIT D 40	75	Z1 - Z2	5 - 8	4	<ul style="list-style-type: none"> - High gloss for white and coloured enamels - Endowed with good gloss and colour retention, good flow, hardness and brushability
BENASOL HS 754	AIR-DRYING LONG OIL ALKYD	SUNFLOWER OIL/ SPECIAL FATTY ACIDS	63	DEAROMATIZED WHITE SPIRIT D 40	75	Z1 - Z3	5 - 10	6	<ul style="list-style-type: none"> - High gloss for white and coloured enamels - Excellent indoor/outdoor performances - "Do it yourself"/construction field
BENASOL FX 86	AIR-DRYING LONG OIL ALKYD	LOW YELLOWING SPECIAL FATTY ACIDS	66	DEAROMATIZED WHITE SPIRIT D 40	80	Z - Z2	12 - 18	4	<ul style="list-style-type: none"> - High gloss for white and coloured enamels - "Do it yourself" - Colour retention in the dark - High solid
BENASOL HS 7380	AIR-DRYING LONG OIL ALKYD	SUNFLOWER FATTY ACIDS/ DCO	65	DEAROMATIZED WHITE SPIRIT D 40	85	Z - Z2	2 - 10	4	<ul style="list-style-type: none"> - High gloss for white and coloured enamels - "Do it yourself"/maintenance sector - Suitable for the production of paints and enamels in conformity with VOC CE 2004-42
BENASOL FX 97	AIR-DRYING LONG OIL ALKYD	LOW YELLOWING SPECIAL FATTY ACIDS	73		98	Z3 - Z4	6 - 15	6	<ul style="list-style-type: none"> - High gloss for white and coloured enamels with good drying time - High body and good brushability - Suitable for the production of enamels in conformity with VOC CE 2004-42 - Binders for pigmented pastes
BENASOL SI 85	AIR-DRYING LONG OIL ALKYD	NON-YELLOWING VEGETABLE OILS	82		100	Z1 - Z3	6 - 12	6	<ul style="list-style-type: none"> - High gloss for white and coloured enamels - Grinding vehicle to produce tinting pastes - Suggested for lithographic inks and sealers for wood - High gloss and body of conventional decorative paints
BENASOL LI 85	AIR-DRYING LONG OIL ALKYD	LINSEED OIL	82		100	Z1 - Z2	6 - 12	7	<ul style="list-style-type: none"> - High gloss for coloured enamels - Grinding vehicle to produce tinting pastes - Suggested for lithographic inks and sealers for wood - Endowed by high brushability and high body

2.02

DECO

TOPCOAT APPLICATIONS 2/2

PRODUCT NAME	CLASS OF RESIN	TYPE OF OIL OR FATTY ACID	OIL (%)	SOLVENT	SOLID CONTENT (%)	VISCOSITY (G.H.)	ACID VALUE ON SOLID (mg KOH/g)	COLOUR (G.H.) MAX.	APPLICATION, CHARACTERISTICS AND USES
BENASOL SI 83	AIR-DRYING LONG OIL ALKYD	LOW YELLOWING SPECIAL FATTY ACIDS	83		99	Z1/Z2 - Z2	6 - 10	4	<ul style="list-style-type: none"> - Enamels endowed with high body and good brushability - Suitable for the production of enamels in conformity with VOC CE 2004-42 - Binders for pigmented pastes
BENASOL HS 120	AIR-DRYING LONG OIL ALKYD	LOW YELLOWING SPECIAL FATTY ACIDS	80		99	X - Y	5	6	<ul style="list-style-type: none"> - Enamels endowed with high body and good brushability - Suitable for the production of paints in conformity with VOC CE 2004-42 - Binders for pigmented pastes (good compatibility with medium oil pastes) 

2.03

DECO

PRIMERS

PRODUCT NAME	CLASS OF RESIN	TYPE OF OIL OR FATTY ACID	OIL (%)	SOLVENT	SOLID CONTENT (%)	VISCOSITY (G.H.)	ACID VALUE ON SOLID (mg KOH/g)	COLOUR (G.H.) MAX.	APPLICATION, CHARACTERISTICS AND USES
BENASOL S 50	AIR-DRYING MEDIUM OIL ALKYD	SOYA OIL	52	DEAROMATIZED WHITE SPIRIT D 40	50	Z1 - Z3	6 - 15	7	<ul style="list-style-type: none"> - Pigmented primers, suitable for wood and metals - Non-yellowing enamels for maintenance and industry
BENASOL 1804 D40	AIR-DRYING LONG OIL ALKYD	PHENOLIC LINSEED-TUNG	68	DEAROMATIZED WHITE SPIRIT D 40	65	Y - Z1	6 - 10	9	<ul style="list-style-type: none"> - Anticorrosive primers - Clear enamels - High resistance to marine corrosion
BENASOL 1804 D60	AIR-DRYING LONG OIL ALKYD	PHENOLIC LINSEED-TUNG	68	DEAROMATIZED WHITE SPIRIT D 60	65	Y - Z1	6 - 10	9	<ul style="list-style-type: none"> - Anticorrosive primers - Clear enamels - High resistance to marine corrosion - Non-flammable

2.04

DECO

WOOD PROTECTION 1/2

PRODUCT NAME	CLASS OF RESIN	TYPE OF OIL OR FATTY ACID	OIL (%)	SOLVENT	SOLID CONTENT (%)	VISCOSITY (G.H.)	ACID VALUE ON SOLID (mg KOH/g)	COLOUR (G.H.) MAX.	APPLICATION, CHARACTERISTICS AND USES
BENASOL HF 650	AIR-DRYING LONG OIL ALKYD	SOYA FATTY ACIDS	60	DEAROMATIZED WHITE SPIRIT D 40	70	X - Y	10	6	<ul style="list-style-type: none"> - Recommended for outdoor clear lacquers and pigmented paints - Superior flexibility features after aging suitable for glossy or matt wood protective paints - Good adhesion, water permeability, gloss retention and durability to the applied film
BENASOL LM 87	AIR-DRYING LONG OIL ALKYD	LINSEED OIL	90		100	T -V	6 - 15	8	<ul style="list-style-type: none"> - Binder for wood preserving and wood-stain products
BENASOL T 68	AIR-DRYING LONG OIL ALKYD	TALL OIL	68	DEAROMATIZED WHITE SPIRIT D 40	75	Z1 - Z2	6 - 15	9	<ul style="list-style-type: none"> - Clear topcoat - Excellent impregnating vehicles for wood
BENASOL FL 32	SLIGHTLY THIXOTROPIC	SOYA SPECIAL FATTY ACIDS	48	DEAROMATIZED WHITE SPIRIT D 40	35	Z2 - Z3	6 - 15	7	<ul style="list-style-type: none"> - Primers/matt paints/semi gloss paints - Aromatic urethane modified resin, slightly thixotropic - Fast through drying time, hardness, good sandability, high compatibility with medium/long oil alkyds
BENASOL FL 40	SLIGHTLY THIXOTROPIC	SPECIAL FATTY ACIDS	48	DEAROMATIZED WHITE SPIRIT D 40	40	Z2 - Z4	6 - 12	6	<ul style="list-style-type: none"> - Non-yellowing matt paints and semi gloss paints - Aliphatic urethane modified resin, slightly thixotropic - Fast through drying time, hardness, good sandability, high compatibility with medium/long oil alkyds
BENASOL UR 58	AROMATIC URETHANE MODIFIED OIL	SOYA/ LINSEED OIL	55	XYLENE/ BUTYL ACETATE	50	Z2 - Z4	3	6	<ul style="list-style-type: none"> - Wood sealers and topcoats, especially for outdoor applications and parquet - Good hardness and very fast drying properties
BENASOL UR 59 X	AROMATIC URETHANE MODIFIED OIL	SOYA/ LINSEED OIL	56	XYLENE	50	Z2 - Z4	3	6	<ul style="list-style-type: none"> - Wood sealers and topcoats, especially for outdoor applications and parquet - Good hardness and drying properties
BENASOL UR 59 D40	AROMATIC URETHANE MODIFIED OIL	SOYA/ LINSEED OIL	58	DEAROMATIZED WHITE SPIRIT D 40	50	Z2 - Z4	3	6	<ul style="list-style-type: none"> - Sealers/parquet/windows and door frames - Matt or gloss - Fast air-drying
BENASOL UR 59 D60	AROMATIC URETHANE MODIFIED OIL	SOYA/ LINSEED OIL	58	DEAROMATIZED WHITE SPIRIT D 60	50	Z - Z4	3	6	<ul style="list-style-type: none"> - Sanding sealers/parquet/windows and door frames - High gloss, fast air-drying - Non-flammable - Brush application
BENASOL UR 60 D40	AROMATIC URETHANE MODIFIED OIL	SOYA/ LINSEED OIL	65	DEAROMATIZED WHITE SPIRIT D 40	60	Z2 - Z4	3	6	<ul style="list-style-type: none"> - Paints for flatting and "do it yourself" - Good gloss and excellent resistance to industrial and marine environments

2.05

DECO

WOOD PROTECTION 2/2

PRODUCT NAME	CLASS OF RESIN	TYPE OF OIL OR FATTY ACID	OIL (%)	SOLVENT	SOLID CONTENT (%)	VISCOSITY (G.H.)	ACID VALUE ON SOLID (mg KOH/g)	COLOUR (G.H.) MAX.	APPLICATION, CHARACTERISTICS AND USES
BENASOL UR 60 D60	AROMATIC URETHANE MODIFIED OIL	SOYA AND LINSEED OIL	65	DEAROMATIZED WHITE SPIRIT D 60	60	Z2 - Z4	3	6	<ul style="list-style-type: none"> - Paints for parquet and "do it yourself" - High gloss excellent resistance to industrial and marine environments - Non-flammable - Brush application
BENASOL UR 61	AROMATIC URETHANE MODIFIED ALKYDS	SOYA FATTY ACIDS	60	DEAROMATIZED WHITE SPIRIT D 40	60	Z1 - Z3	2 - 8	7	<ul style="list-style-type: none"> - Flatting/pigmented topcoats for wood and metals - Good outdoor resistance - High gloss
BENASOL UR 64	AROMATIC URETHANE MODIFIED ALKYDS	SOYA FATTY ACIDS	61	DEAROMATIZED WHITE SPIRIT D 40	55	Z - Z2	1 - 3	5	<ul style="list-style-type: none"> - Flatting/pigmented topcoats for wood and metals - Fast drying/good outdoor resistance - High gloss
BENASOL UR 85	AROMATIC URETHANE MODIFIED ALKYDS	SPECIAL FATTY ACIDS	67	DEAROMATIZED WHITE SPIRIT D 40	85	Z2 - Z4	5	6	<ul style="list-style-type: none"> - Suggested for clear and pigmented topcoats, both for glossy and especially matt products - High solid urethane modified alkyd resin with very good exterior resistance - Suitable for the production of enamels compliant to VOC CE 2004-42
BENALAC UR 81	AROMATIC URETHANE MODIFIED OIL	LINSEED OIL	78		100	Z3 - Z5	1	9	<ul style="list-style-type: none"> - Vehicle in offset inks by reducing the tack-free time and improving levelling and rub test resistance - Suitable for interior and exterior clear varnishes and for wood stains - In conformity to VOC CE 2004-42 - Fast air-drying properties, hardness and gloss - Excellent pigments wetting properties
BENASOL UR 65	ALIPHATIC URETHANE MODIFIED ALKYDS	SPECIAL FATTY ACIDS	58	DEAROMATIZED WHITE SPIRIT D 40	55	Z2 - Z3	2 - 6	4	<ul style="list-style-type: none"> - Non-yellowing paints and enamels - High gloss retention/hardness/chalking resistance
BENASOL UR 4984	ALIPHATIC URETHANE MODIFIED OIL	SAFFLOWER OIL AND SPECIAL FATTY ACID	65	DEAROMATIZED WHITE SPIRIT D 40	60	Z1 - Z3	3	4	<ul style="list-style-type: none"> - High quality topcoats for yacht and decoration - Non-yellowing paints and enamels - Excellent through dry/hardness/adhesion/chemical resistance - Can be combined with long oil alkyds for flatting paints
BENASOL UR 6005	ALIPHATIC URETHANE MODIFIED OIL	SAFFLOWER OIL AND SPECIAL FATTY ACID	68	DEAROMATIZED WHITE SPIRIT D 40	70	Z1 - Z3	3	4	<ul style="list-style-type: none"> - High quality topcoats for yacht and decoration in conformity to VOC CE 2004-42 - Non-yellowing clear/pigmented paints - Excellent through dry/hardness/adhesion/chemical resistance
BENASOL UR 6200	ALIPHATIC URETHANE MODIFIED ALKYDS	SAFFLOWER OIL AND SPECIAL FATTY ACID	62	DEAROMATIZED WHITE SPIRIT D 40	75	W - Y	10 - 14	4	<ul style="list-style-type: none"> - Glossy and matt, clear and pigmented topcoats, for marine and industrial environments - Very good exterior resistance, colour and gloss retention - In conformity to VOC CE 2004-42

2.06

DECO

WATER APPLICATIONS

PRODUCT NAME	CLASS OF RESIN	TYPE OF OIL OR FATTY ACID	OIL (%)	SOLVENT	SOLID CONTENT (%)	VISCOSITY (cP)	ACID VALUE ON SOLID (mg KOH/g)	APPEARANCE	APPLICATION, CHARACTERISTICS AND USES
IDROBEN NAT A2 *	ALKYD EMULSION	LOW YELLOWING SPECIAL FATTY ACIDS	85	WATER	50	800 cP (25 °C)	6 - 12	MILK	<ul style="list-style-type: none"> - Good gloss enamels for metal surfaces/clear varnish and wood stains/wall paints - Water resistant films - Non-yellowing emulsion, without organic-solvents, partially made by natural raw material from renewable sources - Good wettability of pigments and fillers

2.07

DECO

VARIOUS APPLICATION FIELDS

PRODUCT NAME	CLASS OF RESIN	TYPE OF OIL OR FATTY ACID	OIL (%)	SOLVENT	SOLID CONTENT (%)	VISCOSITY (G.H.)	ACID VALUE ON SOLID (mg KOH/g)	COLOUR (G.H.) MAX.	APPLICATION, CHARACTERISTICS AND USES
BENASOL GEL 220	MILDLY THIXOTROPIC AIR-DRYING MEDIUM OIL ALKYD	SOYA FATTY ACIDS	55	DEAROMATIZED WHITE SPIRIT D 40	50		6 - 15	9	<ul style="list-style-type: none"> - Can be combined with medium-long oil alkyds to formulate enamels, glossy paints, flat one-coat wall topcoat or pigmented sealers for wood and "do it yourself" - Medium gel thixotropic - Good flow, body and colour retention - Brush or roller application
BENASOL VT 244	AIR-DRYING VINYL-TOLUENE MODIFIED SHORT OIL ALKYD	LINSEED OIL	39	DEAROMATIZED WHITE SPIRIT D 40	60	V - W	7	7	<ul style="list-style-type: none"> - Topcoats/aerosol paints - Fast through drying properties, good adhesion performances, hardness - Also suggested for formulating air-drying industrial sealers

*The resin foresees a MOQ

WOOD



3.01

WOOD

2K SEALERS & TOPCOATS 1/2

PRODUCT NAME	CLASS OF RESIN	TYPE OF OIL OR FATTY ACID	OIL (%)	SOLVENT	SOLID CONTENT (%)	VISCOSITY (G.H.)	ACID VALUE ON SOLID (mg KOH/g)	COLOR (G.H.) MAX.	OVEN	NITRO	2K	OH ON SOLID RESIDUE (%)	APPLICATION, CHARACTERISTICS AND USES
BENASOL B 1	HYDROXYLATED ALKYD	VEGETABLE FATTY ACIDS	30	XYLENE	50	X - Y	6 - 15	5		X	X	2.7	<ul style="list-style-type: none"> - Sealers and matt topcoats - Compatibility with nitro - High reactivity, easy sandability - Must be combined with hydroxylated alkyds
BENASOL SP 18 *	HYDROXYLATED ALKYD	VEGETABLE FATTY ACIDS	30	XYLENE/MEK	50	Z4 - Z5	10 - 20	6			X	5	<ul style="list-style-type: none"> - Sealers - Clear furniture lacquers endowed with high body, good sandability, repaintability
BENASOL SI 25	HYDROXYLATED ALKYD	SPECIAL FATTY ACIDS	25	XYLENE	60	X - Y	6 - 15	3			X	7.3	<ul style="list-style-type: none"> - High gloss, hard topcoats - Good reactivity with aliphatic isocyanates
BENASOL RS 70	HYDROXYLATED ALKYD	CASTOR OIL/VEGETABLES FATTY ACIDS	36	XYLENE/BUTYL ACETATE	60	V - X	6 - 12	5			X	6.6	<ul style="list-style-type: none"> - Primers for parquet - Furniture lacquers endowed with very good sandability/solvent resistance and hardness - Suitable for hard matt and deep matt topcoats
BENASOL RC 41	HYDROXYLATED ALKYD	CASTOR OIL/VEGETABLES FATTY ACIDS	41	XYLENE	60	Z - Z2	6 - 15	3			X	4.5	<ul style="list-style-type: none"> - Universal hydroxylated alkyd resin for sealers and matt topcoats - High reactivity, hardness, flexibility
BENASOL RC 45	HYDROXYLATED ALKYD	CASTOR/VEGETABLES OILS	42	XYLENE	60	Z1 - Z2	6 - 15	6		X	X	4.3	<ul style="list-style-type: none"> - Sealers and matt topcoats - Nitrocellulosic paints
BENASOL 58	HYDROXYLATED ALKYD	CASTOR OIL	55	XYLENE	60	U - W	17 - 27	5			X	4.6	<ul style="list-style-type: none"> - Clear/pigmented sealers and topcoats for wood and metal - High reactivity, hardness, flexibility - Can be combined with aliphatic polyisocyanates
BENASOL R 126	HYDROXYLATED ALKYD	CASTOR OIL	53	XYLENE	60	X - Y	6 - 15	5			X	5.5	<ul style="list-style-type: none"> - Clear and pigmented topcoats and paints for wood and metal - Easy sandability pigmented sealers - High gloss and body topcoats
BENASOL R 127	HYDROXYLATED ALKYD	CASTOR OIL	59	XYLENE	60	W - Y	6 - 15	4			X	5.3	<ul style="list-style-type: none"> - Clear and pigmented topcoats and paints for wood and metal - Very high flexibility - Easy sandability pigmented sealers
BENASOL C 300	HYDROXYLATED ALKYD	COCONUT FATTY ACID	33	XYLENE	60	Z1 - Z2	6 - 15	3	X	X	X	5.9	<ul style="list-style-type: none"> - High gloss non-yellowing topcoats - High quality nitrocellulosic paints - Can be used also in oven applications (industrial field)

3.02

WOOD

2K SEALERS & TOPCOATS 2/2

PRODUCT NAME	CLASS OF RESIN	TYPE OF OIL OR FATTY ACID	OIL (%)	SOLVENT	SOLID CONTENT (%)	VISCOSITY (G.H.)	ACID VALUE ON SOLID (mg KOH/g)	COLOR (G.H.) MAX.	OVEN	NITRO	2K	OH ON SOLID RESIDUE (%)	APPLICATION, CHARACTERISTICS AND USES
BENASOL F 73	HYDROXYLATED ALKYD	HYDROGENATED CASTOR OIL	43	BUTYL ACETATE	70	X - Z	15 - 23	4			X	4.6	- Sealers and matt topcoats - High flexibility
BENASOL GS 37	HYDROXYLATED ALKYD	VEGETABLE FATTY ACIDS	32	XYLENE	75	Z - Z1	6 - 15	5			X	3.7	- High solid sealers/topcoats endowed with high body and easy sandability - Product with excellent balance between reactivity and flexibility
BENASOL E 114	HYDROXYLATED ALKYD	SYNTHETIC FATTY ACIDS	25	XYLENE	75	Z3 - Z5	6 - 15	1.5	X		X	5.5	- Clear/coloured topcoats for wood and metal high gloss - Wide range of compatibilities (acrylic resins, polyesters, alkyds) - Indicated for universal tintometric systems can be combined with aliphatic/aromatic isocyanates
BENASOL RS 78	HYDROXYLATED ALKYD	CASTOR OIL/ VEGETABLE FATTY ACIDS	41	BUTYL ACETATE	80	X - Z	6 - 12	5			X	6.6	- Sealers for wood and metals with good flexibility, adhesion and sandability - Two sanding insulating sealers and glossy or matt clear varnish for wooden or concrete floors
BENASOL RC 75	HYDROXYLATED ALKYD	CASTOR OIL	78	XYLENE	80	X - Y	6 - 10	5			X	5.9	- High gloss topcoats - Can be combined with other resins to reduce the overall VOC - Good plasticizer
BENASOL NAT A1 *	HYDROXYLATED ALKYD	VEGETABLE FATTY ACIDS	26	BIO SOLVENT	60	Z2 - Z4	15	7			X	4.7	- Produced with renewable raw materials and diluted with a bio sourced solvent - Non-drying/non-yellowing binder, endowed with a very good body, flexibility and hardness
ISOBEN 15	HYDROXYLATED POLYESTER			BUTYL ACETATE	75	Z4 - Z6	6 - 8	< 0.4			X	4.6	- Paints for nautical sector, when combined with aliphatic isocyanates - Car refinishing - Good compatibility with acrylic resins
ISOBEN 87	HYDROXYLATED POLYESTER			BUTYL ACETATE	70	Z - Z2	10 - 18	2			X	5.2	- Clear and pigmented topcoats, endowed with high body, hardness and excellent gloss retention
ISOBEN 270 *	HYDROXYLATED POLYESTER			BUTYL ACETATE	70	W - Z	10 - 18	3			X	5.4	- Clear and pigmented topcoats, endowed with high body, hardness and excellent gloss - Low yellowing
ISOBEN 11 *	HYDROXYLATED POLYESTER				100	T-V (80% AI)	2 - 6	3			X	6	- Suggested for floor coatings, can be combined with hydroxylated resins - High flexibility
ISOBEN 5 *	HYDROXYLATED POLYESTER			XYLENE/MPA	67	Z4 - Z6	2 - 10	2			X	8.1	- Non-yellowing paints for the construction and maintenance sector - High chemical resistance - Used in combination with aliphatic isocyanates

3.03

WOOD

NITRO

PRODUCT NAME	CLASS OF RESIN	TYPE OF OIL OR FATTY ACID	OIL (%)	SOLVENT	SOLID CONTENT (%)	VISCOSITY (G.H.)	ACID VALUE ON SOLID (mg KOH/g)	COLOUR (G.H.) MAX	OVEN	NITRO	2K	APPLICATION, CHARACTERISTICS AND USES
BENASOL T 35	NON-DRYING SHORT OIL ALKYD	TALL OIL	35	XYLENE	50	Z1 - Z3	6 - 15	5	X	X	X	- Nitrocellulosic primers and topcoats for wood - Can be used in combination with melamine for metal enamels applications
BENASOL K 66	NON-DRYING SHORT OIL ALKYD	NON AIR-DRYING VEGETABLE OILS	39	XYLENE	60	X - Y	6 - 15	5		X		- Suggested for formulating nitrocellulose products, both sealers and topcoats for wood furniture
BENASOL 4377	NON-DRYING SHORT OIL ALKYD	NON AIR-DRYING FATTY ACIDS	41	XYLENE	65	V - W	6 - 12	3	X	X		- Primers and topcoats for wood and metals - Used in combination with nitrocellulose

3.04

WOOD

VARIOUS APPLICATION FIELDS

PRODUCT NAME	CLASS OF RESIN	SOLVENT	SOLID CONTENT (%)	VISCOSITY (G.H.)	ACID VALUE ON SOLID (mg KOH/g)	COLOUR (G.H.) MAX.	APPLICATION, CHARACTERISTICS AND USES
BENESTER LD 75	DIRECT GLOSS UNSATURATED POLYESTER	BUTYL ACETATE	80	Z2 - Z4	24 - 36	3	- Clear/pigmented primers - Can also be used for pigmented tinting pastes - High gloss, hardness and easy sandability - Can be crosslinked by UV or Redox

PRODUCT NAME	CLASS OF RESIN	SOLVENT	SOLID CONTENT (%)	VISCOSITY (G.H.)	COLOUR (G.H.) MAX.	NCO (%)	APPLICATION, CHARACTERISTICS AND USES
HARTBEN AM 29	AROMATIC/ALIPHATIC POLYISOCYANATE	BUTYL ACETATE	60	N - Q	2	10.4 - 10.8	- Two-component polyurethane coatings for wood and metal - Very high reactivity - Good flexibility, chemical resistance, hardness, adhesion and durability
HARTBEN MC 53P	MOISTURE CURING	XYLENE/MPA	60	H - L	2	5.5 - 6.5	- One component gloss or matt, clear varnish for wooden or concrete floors - Moisture curing aromatic prepolymer - Very fast drying, excellent hardness and abrasion resistance

*The resin foresees a MOQ

COIL

4

4.01

COIL

POLYESTERS

PRODUCT NAME	CLASS OF RESIN	SOLVENT	SOLID CONTENT (%)	VISCOSITY (G.H.)	ACID VALUE ON SOLID (mg KOH/g)	COLOUR (G.H.) MAX.	OH ON SOLID RESIDUE (%)	GLASS TRANSITION TEMP. (T _g °C)	APPLICATION, CHARACTERISTICS AND USES
BENESTER H 82 *	SATURATED POLYESTER	NAPHTHA SOLVENT SN 100/ BUTYL GLYCOL/ BUTYL GLYCOL ACETATE	55	X - Z	3	3	0.9	57	<ul style="list-style-type: none"> - Anticorrosive primers - Good adhesion and flexibility - Crosslinked with amino resins and/or blocked aliphatic polyisocyanates
BENESTER 699 *	SATURATED POLYESTER	NAPHTHA SOLVENT SN 100/ BUTYL GLYCOL	55	X - Z	5	3	0.7	52	<ul style="list-style-type: none"> - Anticorrosive primers - Good adhesion, intercoating and flexibility - Crosslinked with amino resins and or polyisocyanates
BENESTER H 665	SATURATED POLYESTER	NAPHTHA SOLVENT SN 100/ BUTYL GLYCOL	65	Z2 - Z4	3	2	1.6	40	<ul style="list-style-type: none"> - Anticorrosive primers - Good characteristics of adhesion/flexibility and intercoating - Baking enamels, crosslinked with amino resins and/or blocked aliphatic polyisocyanates
BENESTER T 76 *	SATURATED POLYESTER	NAPHTHA SOLVENT SN 100/ BUTYL GLYCOL	67	Y - Z/Z1	5 - 10	2	2.1	18	<ul style="list-style-type: none"> - Topcoats and back coating applications - Good hardness, flexibility, adhesion, brightness and colour retention - Crosslinked with amino resins or blocked aliphatic polyisocyanates
BENESTER T 75 *	SATURATED POLYESTER	NAPHTHA SOLVENT SN 100/ BUTYL GLYCOL	67	Z - Z2	5-10	3	1.6	24	<ul style="list-style-type: none"> - Topcoats and back coating applications - High reactivity, good hardness, flexibility, adhesion, brightness and colour retention - Crosslinked with amino resins or blocked aliphatic polyisocyanates
BENESTER 606	SATURATED POLYESTER	NAPHTHA SOLVENT SN 100/ BUTYL ACETATE	70	X - Z	4-10	3	1.6	3	<ul style="list-style-type: none"> - Clear topcoats for aluminium - Back coating applications - Crosslinked with amino resins and or polyisocyanates
BENESTER 6224 *	SATURATED POLYESTER	NAPHTHA SOLVENT SN 100/ BUTYL GLYCOL	60	Y - Z	6	2	1.2	25	<ul style="list-style-type: none"> - Topcoats - Good hardness, flexibility, adhesion, brightness and colour retention - Crosslinked with amino resins
BENESTER L 83	SATURATED POLYESTER	NAPHTHA SOLVENT SN 100/ BUTYL GLYCOL/ MPA	60	Z - Z1	2 - 6	2	1.1	31	<ul style="list-style-type: none"> - Topcoats for exterior - Good adhesion/very resistant/high gloss/high flexibility - Crosslinked with amino resins
BENESTER 911	SATURATED POLYESTER	NAPHTHA SOLVENT SN 100/ BUTYL GLYCOL	60	U - X	3	2	1.7	2	<ul style="list-style-type: none"> - Topcoats for exterior - Good adhesion/high gloss/high flexibility - Crosslinked with amino resins and/or blocked aliphatic polyisocyanates for aluminium
BENESTER 2580 *	SATURATED POLYESTER	NAPHTHA SOLVENT SN 100/ BUTYL GLYCOL	70	Y - Z	5 - 10	2	1	15	<ul style="list-style-type: none"> - High durability topcoats - High aliphatic polyester - Direct adhesion to aluminium - High outdoor resistance
BENESTER 47	SATURATED POLYESTER	NAPHTHA SOLVENT SN 100/ BUTYL GLYCOL	60	W - Y	5	3	0.6	-8	<ul style="list-style-type: none"> - Improves the flexibility - High resistance to chemicals and atmospheric agents

*The resin foresees a MOQ

CAN



5.01

CAN

POLYESTERS

PRODUCT NAME	CLASS OF RESIN	SOLVENT	SOLID CONTENT (%)	VISCOSITY (G.H.) / (cP)	ACID VALUE ON SOLID (mg KOH/g)	COLOUR (G.H.) MAX.	OH ON SOLID RESIDUE (%)	GLASS TRANSITION TEMP. (Tg °C)	APPLICATION, CHARACTERISTICS AND USES
BENESTER 804	SATURATED POLYESTER	NAPHTHA SOLVENT SN 100	60	3500 - 6500 cP (25 °C)	5	5	1.3	29	<ul style="list-style-type: none"> - Suggested for general line and white base coating - Hardness, flexibility, sterilization resistance and reactivity - Compliant with FDA 175.300 only for non-alcoholic goods
BENESTER 7453	SATURATED POLYESTER	NAPHTHA SOLVENT SN 100/ BUTYL GLYCOL/ METHOXY PROPANOL	50	Y - Z1	5	3	1.1	43	<ul style="list-style-type: none"> - Crosslinked with phenolic resins amino resins and/or blocked aliphatic polyisocyanates - High reactivity, endowed with good characteristics of adhesion, flexibility and hardness
BENESTER 810 *	SATURATED POLYESTER	NAPHTHA SOLVENT SN 100/ DIBASIC ESTER	50	1800 - 2800 cP (23 °C)	8	3	0.6	50	<ul style="list-style-type: none"> - Particularly indicated for white/clear base coatings for aerosol - Good adhesion on aluminium, hardness and sterilization resistance - Compliant with FDA 175.300, only for non-alcoholic goods
BENESTER 811 *	SATURATED POLYESTER	NAPHTHA SOLVENT SN 100/ NAPHTHA SOLVENT SN 150/ BUTYL GLYCOL	60	Z2 - Z4	4	3	0.9	35	<ul style="list-style-type: none"> - Suggested for general line and white base coatings - Hardness, flexibility, brightness and sterilization resistance
BENESTER 640	SATURATED POLYESTER	NAPHTHA SOLVENT SN 100/ BUTYL GLYCOL	50	U - V	4 - 10	3	1.4	11	<ul style="list-style-type: none"> - Clear topcoats - Particularly indicated for very flexible base coatings in deep drawing application - Hardness, flexibility, sterilization resistance and reactivity - Crosslinked with amino resins and/or blocked aliphatic polyisocyanate
BENESTER 3126	SATURATED POLYESTER	PROPYLENE GLYCOL METHYL ETHER/ NAPHTHA SOLVENT SN 100	60	4000 - 5500 cP (25 °C)	3	3	1.3	27	<ul style="list-style-type: none"> - Suggested for OPV with wet-on-wet properties and good printability also with UV inks - High reactivity, flexibility, adhesion, brightness and good over-baked resistances - Compliant with FDA 175.300 only for non-alcoholic goods - Employed with amino resins or blocked polyisocyanates
BENESTER 9734	SATURATED POLYESTER	NAPHTHA SOLVENT SN 100	55	1800 - 4000 cP (23 °C)	8	3	1.8	28	<ul style="list-style-type: none"> - General line and OPV applications - High gloss, hardness, flexibility, reactivity, sterilization and block resistance - Compliant with FDA 175.300 only for non-alcoholic goods - Employed in baking coatings, crosslinked with amino resins and/or blocked aliphatic polyisocyanates
BENESTER 7855 TF *	SATURATED POLYESTER	NAPHTHA SOLVENT SN 100/ BUTYL GLYCOL	55	Y - Z	3	4	1.7	29	<ul style="list-style-type: none"> - Indicated for OPV application - Tin free resin - High reactivity, flexibility, adhesion and brightness

5.02

CAN

POLYESTERS/EPOXY ESTER

PRODUCT NAME	CLASS OF RESIN	SOLVENT	SOLID CONTENT (%)	VISCOSITY (G.H.) / (cP)	ACID VALUE ON SOLID (mg KOH/g)	COLOUR (G.H.) MAX.	OH ON SOLID RESIDUE (%)	GLASS TRANSITION TEMP. (T _g °C)	APPLICATION, CHARACTERISTICS AND USES
BENESTER 8848 *	SATURATED POLYESTER	NAPHTHA SOLVENT SN 100/ BUTYL GLYCOL	60	2500 - 4200 cP (25 °C)	8	3	2.1	25	<ul style="list-style-type: none"> - Suggested for interior can coating 2 pcs., caps and closures - Characterized by high reactivity, flexibility, adhesion and good sterilization properties in acid medium - Tin free and is in full compliance with FDA 175.300 - Employed in a baking system, crosslinked with phenolic resins, amino resins and/or blocked aliphatic polyisocyanates
BENESTER 813 *	SATURATED POLYESTER	NAPHTHA SOLVENT SN 150/ BUTYL GLYCOL	55	Y - Z1	2	3	0.6	23	<ul style="list-style-type: none"> - Deep drawable stamping enamels for interior protection of can coating - Flexibility, reactivity and adhesion to metal - Crosslinked with phenolics
BENESTER 9350	SATURATED POLYESTER	NAPHTHA SOLVENT SN 150	50	Z3 - Z4	5	3	0.6	30	<ul style="list-style-type: none"> - Particularly suggested for interior can coating - Adhesion, very good flexibility, and hardness and chemical resistance - Under FCN - Crosslinked with amino resins, blocked polyisocyanates and phenolics
BENESTER 9360	SATURATED POLYESTER	NAPHTHA SOLVENT SN 150	50	Z1 - Z3	3	3	0.6	62	<ul style="list-style-type: none"> - Suggested for interior can coating 2 pcs. for BPAni application - High reactivity, flexibility, adhesion and good sterilization properties also in an acid medium - Compliant with FDA 175.300 - Crosslinked with amino resins and/or blocked aliphatic polyisocyanates
BENESTER 8496	SATURATED POLYESTER	NAPHTHA SOLVENT SN 100/ BUTYL GLYCOL	60	2500 - 5200 cP (25 °C)	5	3	0.8	27	<ul style="list-style-type: none"> - Size coat for low to medium deformed end uses - Good base for different OVP
EPOBEN C872 *	EPOXY ESTER	NAPHTHA SOLVENT SN 150/ BUTYL GLYCOL	57	Y - Z1	4	5	5		<ul style="list-style-type: none"> - Epoxy ester for non-yellowing OPV varnishes

*The resin foresees a MOQ



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POLIRESIN S.R.L.

Poliresin is part of Benasedo Group and the main activity is the production of phenolic, acrylic, epoxy and epoxy-acrylic resins.

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