



PRODUCT CATALOG

2021 EDITION

www.mpc-prokim-industrie.com

“ We exude excellence
and inspire the future ,”



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COMPANY PROFILE

Founded in 1968, **MPC PROKIM INDUSTRIE** is a tunisian company leader in the market of polymer industry. A well established and professionally organized company, we are manufacturing alkyd resins, polyester resins, acrylic resins and aqueous dispersions for a variety of applications including paints, adhesives and composite materials.

+50

Years
of expertise

Expertise as well as technical and scientific heritage developed over the years.

250

Employees

Our human capital constitute the real wealth and the essential tool for every success inside the company.



Customer intimacy

Continuously listening to the specific needs of each customer and doing our utmost to satisfy them.



Continuous growth

Continuous improvement process adapted by the company allowing it to grow and develop its exportation network.



Research & Development

Innovation and product development are at the heart of our company with devoted specialists doing their best to create and guarantee high quality products.



Integrated Quality, Safety and Environment system

Range of certifications (ISO 9001, ISO14001, ISO 27001, ISO 45001) reinforcing the trust climate built with the different partners.



OUR VALUES

Respect

Respecting others, respecting commitments and self-respect are our motto.

Teamwork

Teamwork is our leading light to face challenges.

Satisfying our partners

Carrying out your requirements is our priority.

Performance

Efficiency is the key to meet your demands.

Integrity

Clarity, objectivity and equity reflect our image.

Responsibility

To be recognized as a corporate citizen is one of our goals.

Excellence

Breathing excellence is our driving force for development.

Tailored TECHNICAL ASSISTANCE

We provide a customized technical support in order to guide you, answer all of your requests and bring you the optimal solutions in real time.

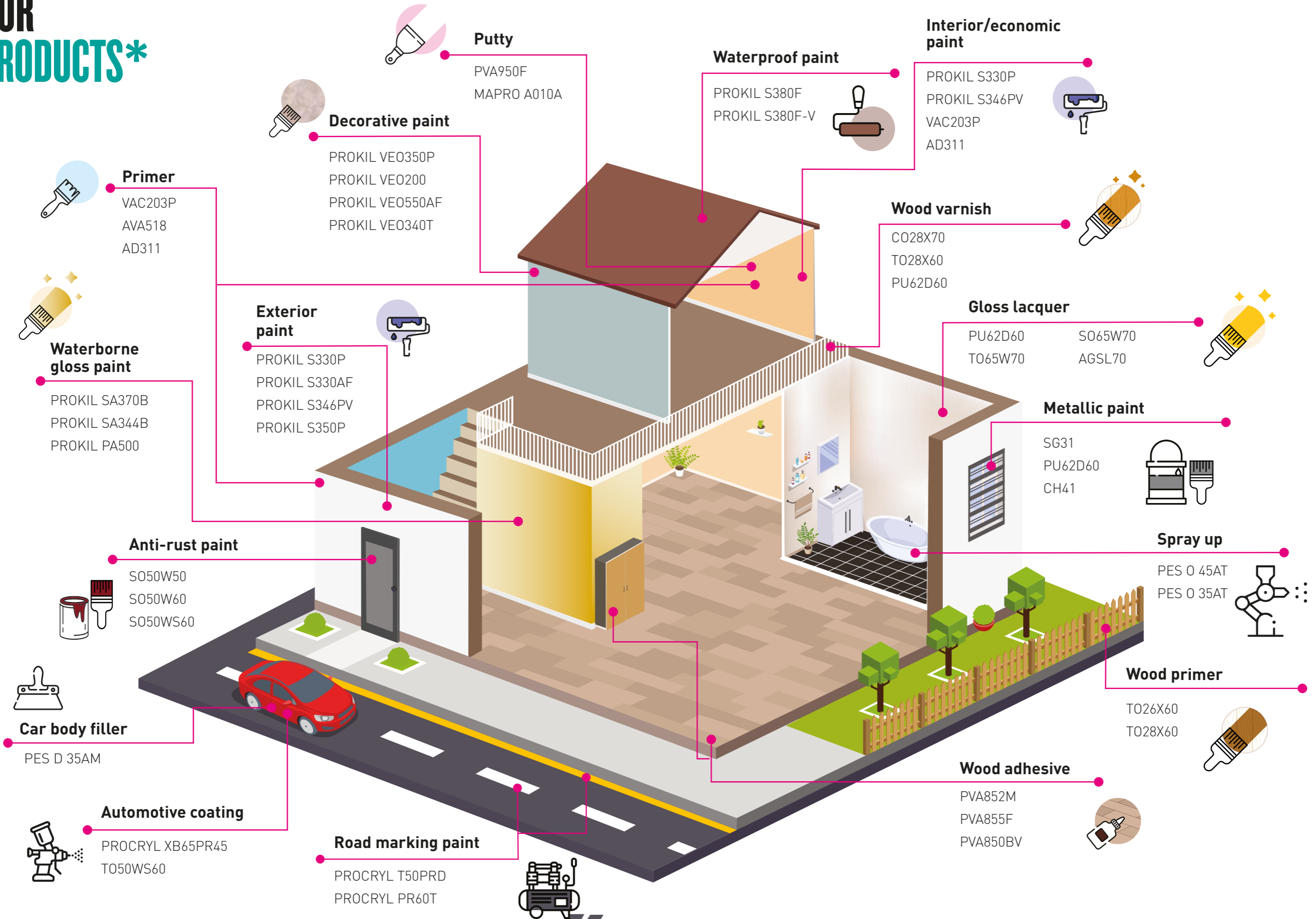


PRODUCTS QUALITY

keystone of our strategy

Products quality is a major engagement we hold towards our customers : from raw materials to end products, everything undergoes meticulous controls guaranteeing a quality that meets your expectations.

OUR PRODUCTS*





Dispersions



SUSTAINABLE



APEO
FREE



SOLVENT
FREE



REACH
COMPLIANCE



- Styrene acrylic dispersions
- Pure acrylic dispersions
- Vinyl acrylic dispersions
- Polyvinyl acetate dispersions
- Vinyl VEOVA dispersions



Dispersions STYRENE ACRYLIC DISPERSIONS

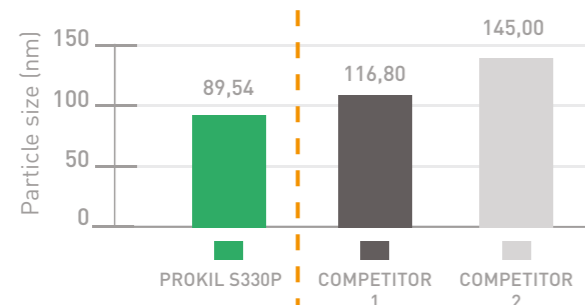
REFERENCE	SOLID CONTENT (%)	BROOKFIELD VISCOSITY (cP)	pH	MFFT (°C)	PARTICLE SIZE (µm)	EMULSIFIER	APPLICATIONS						KEY FEATURES	
							INTERIOR AND EXTERIOR PAINTS	SATIN PAINTS	SEMI-GLOSS AND GLOSS PAINTS	TEXTURED PAINTS	WATERPROOF AND FLEXIBLE PAINTS	EXTERIOR WATERPROOF PAINTS		PLASTIC PUTTIES
PROKIL S330P	50 +/- 1	5000-10000	7-9	13-16	<0.1	A/N	*	*	o	o		o	o	APEO free, odor free, low particle size resulting in excellent pigment binding, good saponification resistance and good scrub resistance.
PROKIL S330PS	50 +/- 1	8000-12000	7-9	13-16	<0.1	A/N	*	*	o	o		o	o	APEO free, odor free, low particle size resulting in excellent pigment binding, good saponification resistance and good scrub resistance.
PROKIL S330AF	50 +/- 1	2500-5000	7-9	18-22	<0.1	A/N	*	*	o	o		o	o	APEO free, plasticizer free, odor free, excellent pigment binding, very good water resistance and very good adhesion.
PROKIL S346PV	46 +/-1	5000-10000	7-9	13-16	<0.1	A/N	*	*	o	o				APEO free, odor free, low particle size resulting in excellent pigment binding, good saponification resistance and good scrub resistance.
PROKIL S350P	50 +/- 1	4000-5000	7.5-8.5	16-19	<0.1	A	*	*	o	o		o	o	APEO free, low particle size enhancing the UV degradation resistance in exterior uses, excellent gloss retention and good water and saponification resistance.
PROKIL S350PV	50 +/- 1	6000-12000	7-9	16-19	<0.1	A	*	*	o	o		o	o	APEO free, low particle size enhancing the UV degradation resistance in exterior uses, excellent gloss retention and good water and saponification resistance.
PROKIL S380F	50 +/- 1	5000-10000	7-9	0	<0.1	A/N				*	*			Exceptional film formation without the use of coalescing agent, good flexibility for a wide range of waterproof coatings and good weathering resistance.
PROKIL S380F-V	50 +/- 1	10000-14000	7-9	0	<0.1	A/N				*	*			Exceptional film formation without the use of coalescing agent, good flexibility for a wide range of waterproof coatings and good weathering resistance.

PROKIL S330P IN EXTERIOR PAINTS

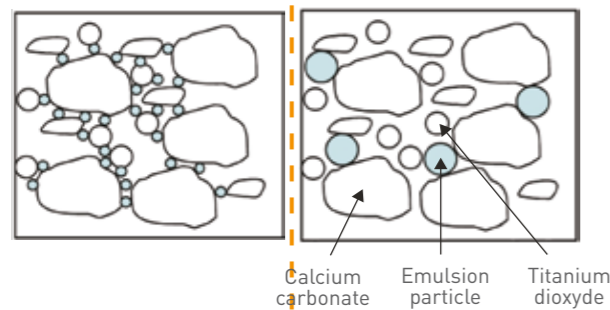
The APEO-free styrene acrylic dispersion PROKIL S330P is very recommended for the formulation of exterior paints. It confers to the paints an exceptional wet scrub resistance as well as a good saponification and weathering resistance.

EFFECT OF FILLERS ENWRAPMENT ON WET SCRUB RESISTANCE

Particle size distribution in styrene acrylic emulsions

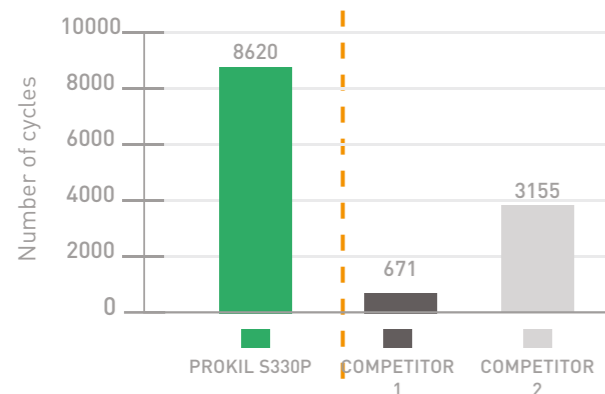


SMALLER PARTICLES



A BETTER FILLER ENWRAPMENT

Evaluation of wet scrub resistance according to standard ASTM D2486 at PVC 84%



A BETTER WET SCRUB RESISTANCE



PROKIL S380F IN WATERPROOF PAINTS

The styrene acrylic emulsion PROKIL S380F is the reference of choice for the formulation of waterproof paints. These paints are characterized by :

- water resistance
- Excellent flexibility
- Good durability
- Very good weathering resistance
- Excellent UV resistance
- Very good compatibility with cements



Evaluation of back water resistance



A BETTER RESISTANCE TO WATER INFILTRATION

SUBSTRATE	TIME OF WATER INFILTRATION
Non coated cardboard	5 minutes
Cardboard coated with a paint based on a competitor binder	4 days
Cardboard coated with a paint based on PROKIL S380F	>> 15 days



Dispersions PURE ACRYLIC DISPERSIONS

REFERENCE	SOLID CONTENT (%)	BROOKFIELD VISCOSITY (cP)	pH	MFFT (°C)	PARTICLE SIZE (µm)	EMULSIFIER	APPLICATIONS						KEY FEATURES	
							EXTERIOR AND INTERIOR PAINTS	WATERBORNE VARNISHES	TOPCOATS	SATIN AND GLOSS WATERBORNE LACQUERS	TEXTURED / SATIN PAINTS	PRIMERS		EXTERIOR WOOD COATINGS
PROKIL PA500	50 +/-1	3000-7000	7-9	14-18	<0.1	A	*	*	*	○	*	*	○	Coalescent free, used in high performance coatings, good gloss retention, good water and saponification resistance and good wet and dry scrub resistance.
PROKIL SA370B	47 +/- 1	1000-3000	8,5-9,5	7-10	<0.1	A	*	*	*	*	*	*	*	self crosslinking emulsion recommended for gloss paints, ammonia free, coalescent free, low particle size, high gloss and good scratch resistance.
PROKIL SA344B	44 +/- 1	MAX 1000	8,5-9,5	7-10	<0.1	A	*	*	*	*	*	*	*	self crosslinking emulsion recommended for gloss paints, ammonia free, coalescent free, low particle size, high gloss, good scratch resistance and good wet adhesion.

PROKIL PA500 IN DECORATIVE PAINTS

The acrylic emulsion PROKIL PA500 is the product of choice for decorative paints. In interior use, the PROKIL PA 500 offers exceptional properties to the paints in terms of quality and durability :



Good adhesion to different substrates



High and constant gloss



Excellent color intensity and stability



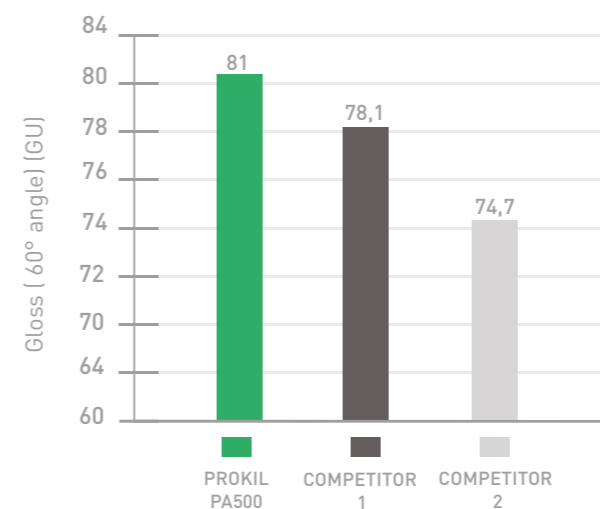
Good cleanability

MFFT: Minimum Film Formation Temperature

A: Anionic surfactant

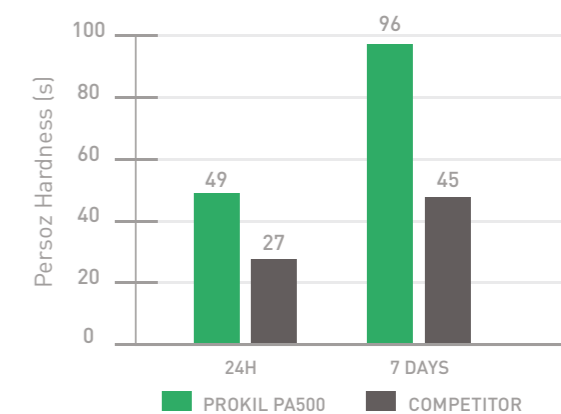
* Main use
○ Possible use

Evaluation of gloss according to standard ASTM D523



A SUPERIOR GLOSS

Evaluation of Persoz hardness according to standard ISO 1522



A BETTER HARDNESS

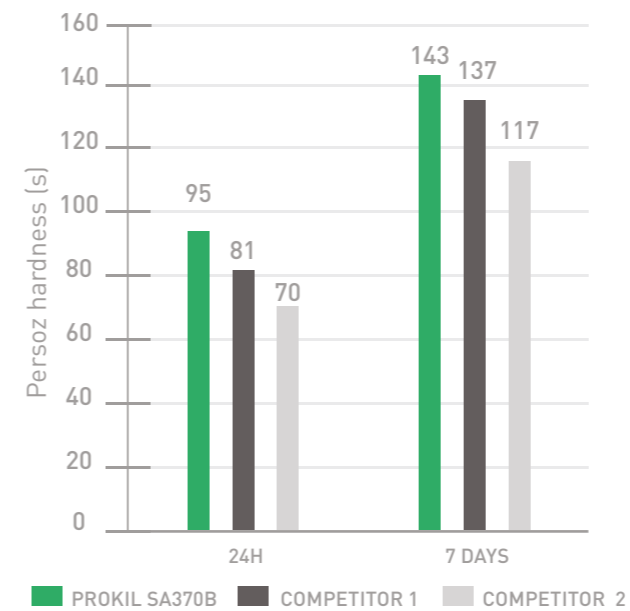


PROKIL SA370B IN GLOSS PAINTS

The high performance self crosslinking acrylic emulsion PROKIL SA370B is a cutting edge solution particularly designed for use in the formulation of wood and decorative gloss paints and varnishes. In interior and exterior use, the PROKIL SA370B confers exceptional properties to the coatings :

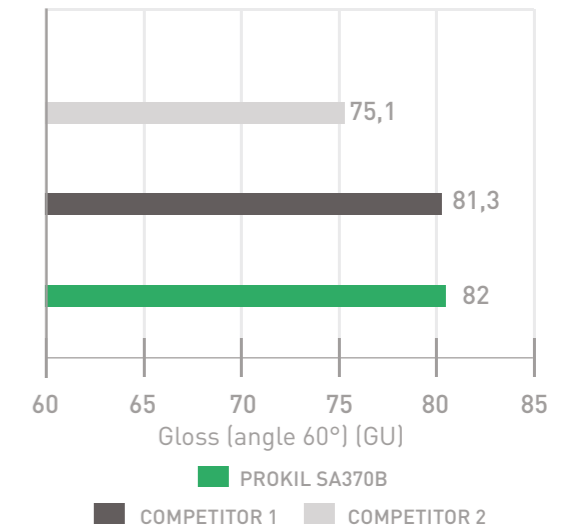
- 
Cleanable
- 
**Ecological:
0 VOC emission**
- 
High gloss
- 
**Excellent gloss and
whiteness retention**
- 
Very good film hardness
- 
Excellent durability
- 
Excellent exterior resistance

Evaluation of Persoz hardness according to standard ISO 1522



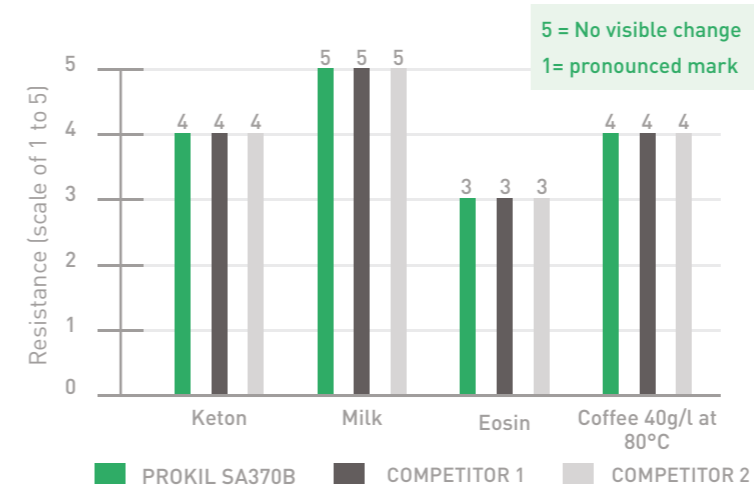
A BETTER HARDNESS

Evaluation of gloss according to standard ASTM D523



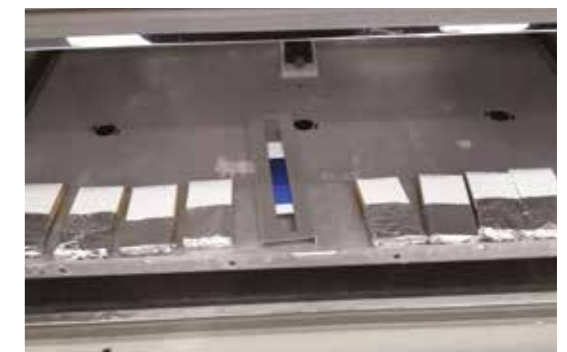
A SUPERIOR GLOSS

Evaluation of resistance to hot and cool liquids according to standard NF D60-050



AN EXCELLENT DEGRADATION AND MARK RESISTANCE

Stability test of color exposed to light according to standard NF D60-050



SPECIMEN DURING TEST

Degradation > 4G gray scale

NO CHANGE OF COLOR AND SURFACE FINISH





Dispersions VINYL ACRYLIC DISPERSIONS

REFERENCE	SOLID CONTENT (%)	BROOKFIELD VISCOSITY (cP)	pH	MFFT (°C)	PARTICLE SIZE (µm)	EMULSIFIER	APPLICATIONS				KEY FEATURES
							INTERIOR PAINTS	CONVENTIONAL PAINTS	PRIMERS	PLASTIC PUTTIES	
VAC203P	50 +/- 1	7000-12000	4-5	6-8	0.4-0.6	A/N	*	*	*	o	Good application rheology and touch-up and good scrub resistance.
AVA518	51 +/- 1	3000-4000	4-5	7-9	0.45-0.65	A/N	*	*	*	o	Good application rheology and touch-up and good flow and levelling characteristics.
AD311	51 +/- 1	2500-5000	4-5	6-8	0.4-0.6	A/N	*	*	*	o	Good application rheology and touch-up and good flow and levelling characteristics.

MFFT: Minimum Film Formation Temperature

A: Anionic surfactant
N: Nonionic surfactant

* Main use
o Possible use



Dispersions POLYVINYL ACETATE DISPERSIONS

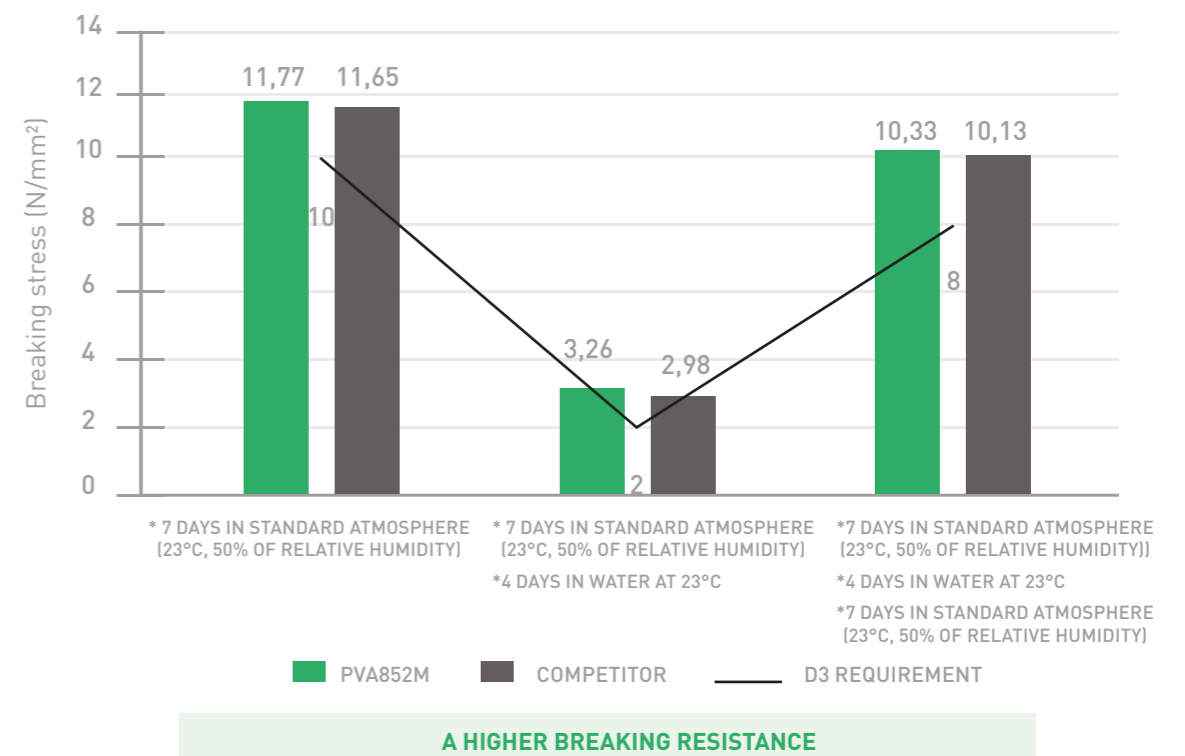
REFERENCE	SOLID CONTENT (%)	BROOKFIELD VISCOSITY (cP)	pH	MFFT (°C)	PARTICLE SIZE (µm)	EMULSIFIER	APPLICATIONS					KEY FEATURES
							PLASTIC PUTTIES	CARDBOARD AND PAPER ADHESIVES	D1 WOOD ADHESIVES	D2 WOOD ADHESIVES	D3 WOOD ADHESIVES	
PVA855F	50 +/- 1	80000-100000	4-6	13-15	1-2	N	o		*			Very high viscosity, clear and hard film and good thermal stability.
PVA950F	50 +/- 1	50000-70000	4-6	9-11	0,5 - 1	N	*		o			High viscosity, excellent rheology, good heat resistance and good humidity resistance.
PVA860F	60 +/- 1	30000-50000	4-6	13-15	0,5 - 1	N	o	*	o			Medium viscosity, high solid content and good thermal stability.
MAPRO A010A	52 +/- 1	20000-30000	4-5	14-15	1-2	N	*	o	o			Excellent rheology, good heat resistance and good humidity resistance.
PVA950BV	50 +/- 1	25000-35000	4-6	9-11	0,5 - 1	N	*	o	o			Average viscosity, excellent rheology, good heat resistance and good humidity resistance.
PVA852M	52 +/- 1	12000-18000	3-4	4-7	1,5-2	N		o	o		*	Average viscosity, excellent resistance to high temperatures, very good creep resistance and good setting time. Used in the manufacture of mono-component adhesives (D3 class) and bi-component adhesives (D4 class).
PVA850BV	50 +/- 1	5000-8000	4-5	13-15	0,5 - 1	N		o	*	*		Low viscosity, good resistance to high temperatures and very good creep resistance. Used in the manufacture of mono-component adhesives.
PVA860BV	60 +/- 1	2000-4000	4-5	13-15	1-2	N			*	o		A combination of low viscosity and high solid content, particularly adapted to the formulation of adhesives applied by nozzle and used in the woodworking joints.



PVA852M IN D3 MONO-COMPONENT ADHESIVES

PVA852M is a high performance polyvinyl acetate dispersion destined to the manufacture of D3 monocomponent adhesives. The PVA852M based glues are characterized by an excellent water and high temperature resistance, an excellent adhesion power, good rheological properties as well as a good setting time.

Classification of thermoplastic wood adhesives (based on PVA852M and competitor) for non-structural applications according to standard EN 204



PVA855F IN D1 MONO-COMPONENT ADHESIVES

PVA855F is a vinyl acetate homopolymer used for mono-component D1 adhesives, highly recommended for the formulation of wood assembly and wood based materials adhesives which are convenient for interior use. PVA855F based adhesives are characterized by a good thermal stability, a transparent and hard film and an excellent rheology.

BREAKING STRESS (N/mm²)	REQUIRED VALUE	CLASS	CONFORMITY	
			YES	NO
13,10	≥10	D1	X	

Evaluation of breaking resistance of woodworking joints through tensile shear test according to standard EN 204 (PVA855F based vinyl glue)





Dispersions VINYL VEOVA DISPERSIONS

REFERENCE	SOLID CONTENT (%)	BROOKFIELD VISCOSITY (cP)	pH	MFFT(°C)	PARTICLE SIZE (µm)	EMULSIFIER	APPLICATIONS					KEY FEATURES
							INTERIOR AND EXTERIOR PAINTS	SATIN PAINTS	SCRATCH TEXTURE PAINTS	TEXTURED PAINTS	TEXTURED COATINGS AND PLASTERS	
PROKIL VE0550AF	55 +/- 1	4000-7000	4-6	12-14	0.15-0.35	A/N	*	*		*		Very good pigment binding power, excellent saponification resistance, good scrub resistance, good durability and high solid content.
PROKIL VE0200	50 +/- 1	2000-5000	4-5	12-14	0.2-0.4	A/N	*	*		*	o	Good wet scrub resistance, good adhesion and good saponification resistance.
PROKIL VE0310T	50+/-1	500-3000	4-5	10-13	0.15-0.35	A/N	*	*		*		Good saponification resistance, excellent wet and dry scrub resistance, good color retention and good pigment binding.
PROKIL VE0350P	50+/-1	3000-5000	4-6	4-7	0.2-0.4	A/N	*	*	*	*	*	Excellent adhesion, good rheology, good weathering and saponification resistance. Compatible with most of pigments, fillers and additives.
PROKIL VE0340T	50 +/- 1	4000-8000	3-5	7-9	0.2-0.4	A/N	*	*		*	o	Good wet scrub resistance, good adhesion and good saponification resistance.
PROKIL VE0300V	50 +/- 1	50000-70000	4-5	4-7	0.5-1	A/N			*		*	Excellent adhesion, good rheology, good open time, good weathering and saponification resistance. Compatible with the majority of pigments, fillers and additives and compatible with cements.

MFFT: Minimum Film Formation Temperature

N: Nonionic surfactant
A: Anionic surfactant

* Main use
o Possible use

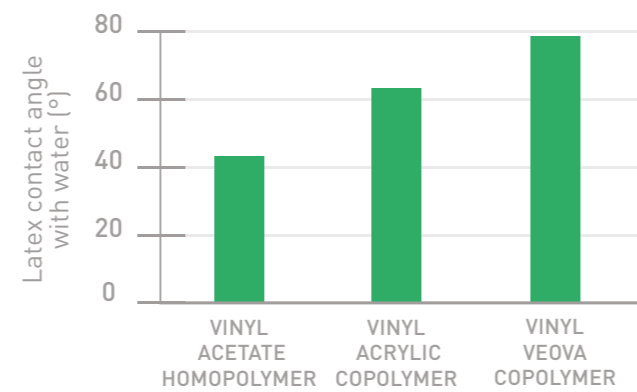


PROKIL VEO350P IN EXTERIOR AND DECORATIVE PAINTS

The vinyl VEOVA dispersions enable obtaining a perfectly smooth and easy-to-paint surface. They are characterized by a high hydrophobicity compared to other vinyl acetate-based dispersions thanks to the umbrella effect of the VeoVa monomer.



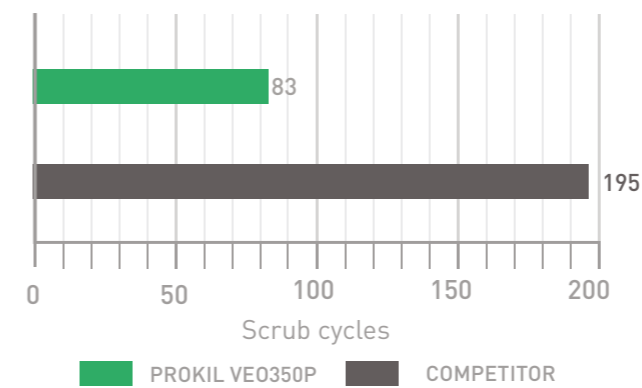
UMBRELLA EFFECT



A HIGHER HYDROPHOBICITY

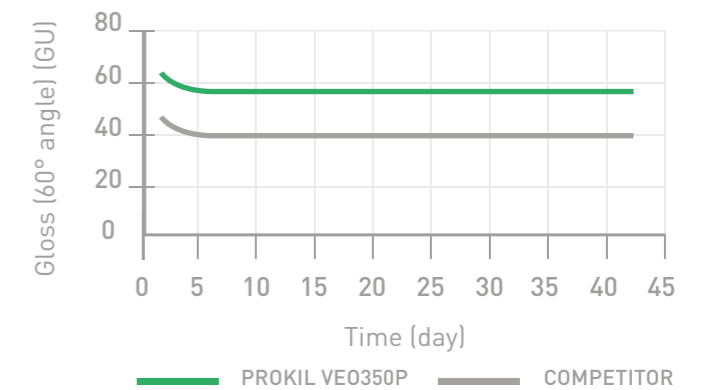
The vinyl VEOVA dispersion PROKIL VEO350P is compatible with most of fillers, pigments and additives and is recommended for decorative and exterior paints. It confers to the paint a good rheology, an excellent adhesion to different substrates as well as an exceptional durability thanks to its good scrub and saponification resistance.

Evaluation of wet scrub resistance according to standard ASTM D2486 at PVC 80%



A BETTER WET SCRUB RESISTANCE

Evaluation of 60° Gloss of satin paints as a function of time according to standard ASTM D523



A BETTER GLOSS AND A GOOD GLOSS RETENTION





ALKYD RESINS

- Long oil alkyd resins
- Medium oil alkyd resins
- Short oil alkyd resins



Alkyd resins

LONG OIL ALKYD RESINS

REFERENCE	SOLVENT	OIL TYPE	OIL LENGTH (%)	SOLID CONTENT (%)	BROOKFIELD VISCOSITY (cP)	GARDNER VISCOSITY	ACID VALUE (mg KOH/g)	GARDNER COLORATION	APPLICATIONS					KEY FEATURES
									DECORATIVE INTERIOR AND EXTERIOR PAINTS	PRIMERS AND TOPCOATS FOR WOOD AND METAL	MARIN PAINTS AND METALLIC PAINTS	GLAZE PAINTS	VARNISHES	
LONG OIL ALKYD RESINS BASED ON SOYBEAN OIL														
SO65W70BV	WHITE SPIRIT	SOYBEAN OIL	65 +/- 1	70 +/- 1	3000-5000	Z1-Z3	MAX 10	MAX 6	*	*	o	o	*	Good gloss retention, good adhesion, good durability, good brushability, good yellowing resistance and good drying.
SO65W70	WHITE SPIRIT	SOYBEAN OIL	65 +/- 1	70 +/- 1	14000-18000	Z5-Z7	5-10	MAX 6	*	*	o	o	*	Good gloss retention, good adhesion, good durability, good brushability, good yellowing resistance and good drying.
SO65W70M	WHITE SPIRIT	SOYBEAN OIL	65 +/- 1	70 +/- 1	20000-25000	Z7-Z8	5-10	MAX 6	*	*	o	o	*	Good gloss retention, good adhesion, good durability, good brushability, good yellowing resistance and good drying.
SO65W70D	WHITE SPIRIT	SOYBEAN OIL	65 +/- 1	70 +/- 1	40000-50000	Z7-Z8	5-10	MAX 6	*	*	o	o	*	Good gloss retention, good adhesion, good durability, good brushability, good yellowing resistance and good drying.
SO65W70V	WHITE SPIRIT	SOYBEAN OIL	65 +/- 1	70 +/- 1	35000-45000	Z6-Z8	5-10	MAX 6	*	*	o	o	*	Good gloss retention, good adhesion, good durability, good brushability, good yellowing resistance and good drying.
SO65W70HV	WHITE SPIRIT	SOYBEAN OIL	65 +/- 1	70 +/- 1	50000-80000	Z7-Z9	5-10	MAX 6	*	*	o	o	*	Good gloss retention, good adhesion, good durability, good brushability, good yellowing resistance and good drying.
SO65W70HV-D	DEAROMATIZED WHITE SPIRIT	SOYBEAN OIL	65 +/- 1	70 +/- 1	100000-150000	Z10	5-10	MAX 6	*	*	o	o	*	Very high viscosity, low odor, good gloss retention, good adhesion, good durability, good brushability, good yellowing resistance and good drying.
SO65W85D	WHITE SPIRIT	SOYBEAN OIL	65 +/- 1	85 +/- 1	20000-30000	Z6	5-10	MAX 6	*	*	o	o	*	Good gloss retention, good adhesion, good durability, good brushability, good yellowing resistance and good drying.
LONG OIL ALKYD RESIN BASED ON SOYBEAN FATTY ACID														
TO65W70	WHITE SPIRIT	SOYBEAN FATTY ACID	65 +/- 1	70 +/- 1	14000-18000	Z5-Z7	5-10	MAX 5	*	*	o	*	*	Very good gloss retention, good adhesion, good durability, good brushability, very good yellowing resistance and good drying.

* Main use
o Possible use

TO65W70 IN GLOSS LACQUER PAINTS

The long oil alkyd resin TO65W70 is highly recommended for the formulation of lacquer paints. It confers to the paint exceptional properties:



Good durability



Good adhesion



Excellent water resistance



Excellent scrub resistance

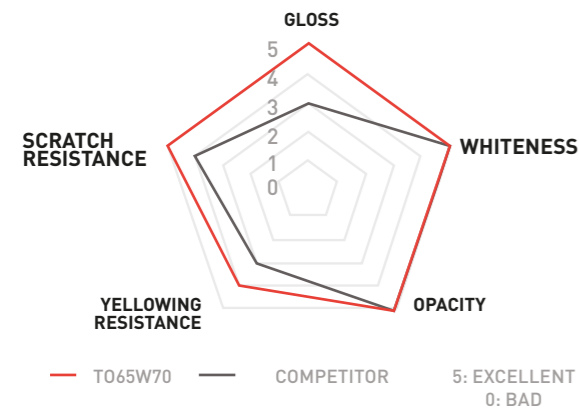


High gloss



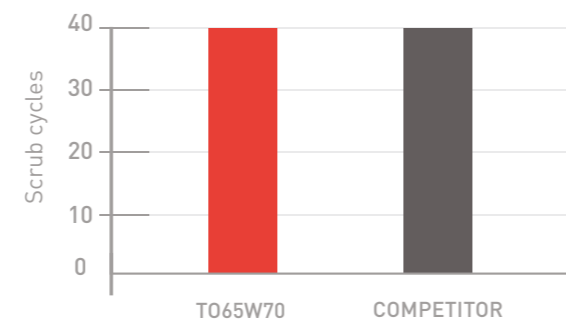
Good color retention

Lacquer paints properties comparison



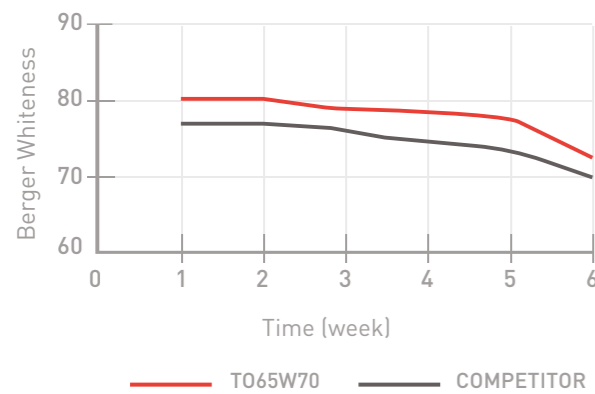
AN ADVANTAGEOUS PROPERTY BALANCE

Evaluation of dry scrub resistance according to standard NF D60-50



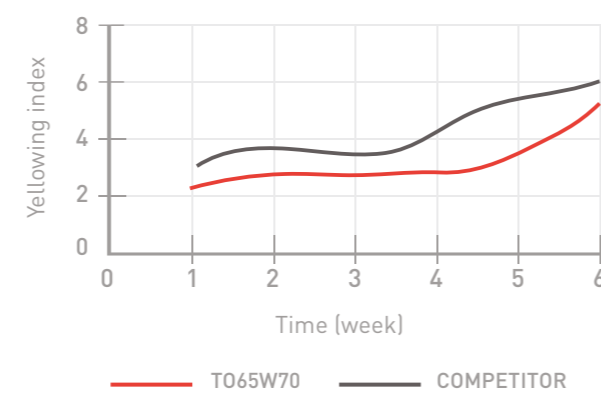
A GOOD SCRUB RESISTANCE

Evaluation of whiteness as a function of time



A BETTER COLOR RETENTION

Evaluation of yellowing as a function of time according to standard ASTM E313-15



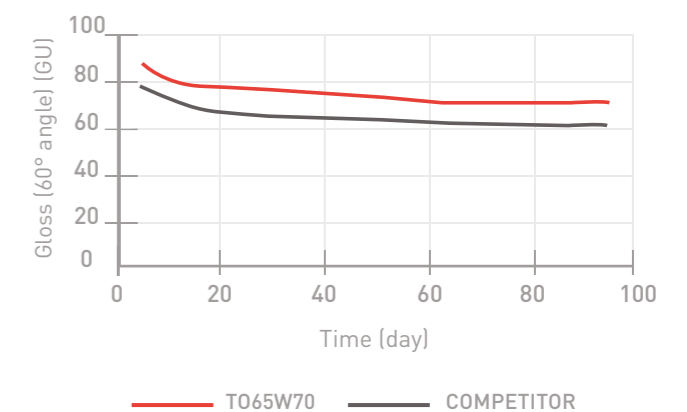
Evaluation of impact resistance on metal according to standard NF D60-50 and ISO6272



No shear of paint film on the upper side of the specimen

A VERY GOOD IMPACT RESISTANCE

Evaluation of 60° gloss as a function of time according to standard ASTM D523



A HIGHER GLOSS





Alkyd resins

LONG OIL ALKYD RESINS


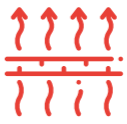





REFERENCE	SOLVENT	OIL TYPE	OIL LENGTH (%)	SOLID CONTENT (%)	BROOKFIELD VISCOSITY (cP)	GARDNER VISCOSITY	ACID VALUE (mg KOH/g)	GARDNER COLORATION	APPLICATIONS						KEY FEATURES
									FLOOR FINISHES	DECORATIVE INTERIOR AND EXTERIOR PAINTS	PRIMERS AND TOPCOATS FOR WOOD AND METAL	METALLIC PAINTS	GLAZE PAINTS	VARNISHES	
LONG OIL ALKYD RESINS BASED ON SOYBEAN FATTY ACID															
T065W70BV	WHITE SPIRIT	SOYBEAN FATTY ACID	63 +/- 1	70 +/- 1	7000-9000	Z4-Z5	4-8	MAX 5		*	*	o	*	*	Rapid drying, excellent hardness, good yellowing resistance and good durability.
T065W85	WHITE SPIRIT	SOYBEAN FATTY ACID	65 +/- 1	85 +/- 1	20000-30000	Z6+	5-10	MAX 5		*	*	o	*	*	Rapid drying, excellent hardness, good yellowing resistance and good durability.
AGSL70	WHITE SPIRIT	SOYBEAN FATTY ACID	58 +/- 1	70 +/- 1	15000-80000	Z6-Z8	5-8	MAX 5		*	*	o	*	*	Rapid drying, excellent hardness, good yellowing resistance and good durability.
AGSL70V	WHITE SPIRIT	SOYBEAN FATTY ACID	58 +/- 1	70 +/- 1	14000-18000	Z5-Z7	MAX 10	MAX 5		*	*	o	*	*	Good gloss retention, good durability, good color stability, good wetting properties, good filling power, good brushability and good yellowing and ageing resistance.
AGSL70P	WHITE SPIRIT	SOYBEAN FATTY ACID	60 +/- 1	70 +/- 1	15000-80000	Z6-Z8	5-8	MAX 5		*	*	o	*	*	Very good gloss retention, good adhesion, good durability, good brushability, very good yellowing resistance and good drying.
AGSL70HV	WHITE SPIRIT	SOYBEAN FATTY ACID	56 +/- 1	70 +/- 1	60000-80000	Z7-Z8	5-10	MAX 5		*	*	o	*	*	Very rapid drying, good yellowing resistance and good filling.
AGSL70TV	WHITE SPIRIT	SOYBEAN FATTY ACID	56 +/- 1	70 +/- 1	90000-110000	APPROX.Z9	5-10	MAX 5		*	*	o	*	*	Very rapid drying, good yellowing resistance and good filling.
AGSL70BV	WHITE SPIRIT	SOYBEAN FATTY ACID	60 +/-1	70 +/-1	5000-10000	Z2-Z5	MAX 10	MAX 5		*	*	o	*	*	Very good gloss retention, good adhesion, good durability, good brushability, very good yellowing resistance and good drying.
AGSL70BV-D	DEAROMATIZED WHITE SPIRIT	SOYBEAN FATTY ACID	60 +/- 1	70 +/- 1	5000-10000	Z2-Z5	MAX 10	MAX 5		*	*	o	*	*	Good gloss retention, good adhesion, good durability, good brushability, very good yellowing resistance and good drying.
AGSL62HV	WHITE SPIRIT	SOYBEAN FATTY ACID	62 +/-1	61 +/- 2	26000-33000	Z6-Z7	4-6	MAX 5		*	*	o	*	*	Good gloss retention, good adhesion, good durability, good brushability, very good yellowing resistance and good drying.
URETHANE MODIFIED LONG OIL ALKYD RESIN															
PU62D60	DEAROMATIZED WHITE SPIRIT	SOYBEAN FATTY ACID	62 +/-1	60 +/- 1	2000-3000	Z-Z2	MAX 5	MAX 5		*	*	*	*	*	High hardness, rapid drying, good chemical and mechanical resistance, excellent water resistance and excellent anti-corrosion properties.

* Main use
o Possible use

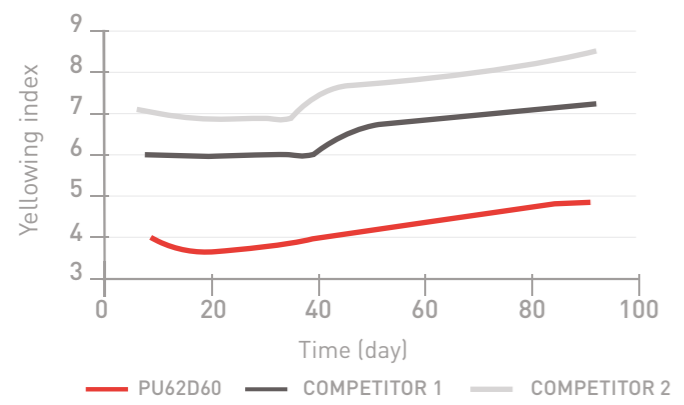


PU62D60 IN GLOSS LACQUER PAINTS

The urethane modified long oil alkyd resin PU62D60 is the best choice for the formulation of lacquer paints with distinguished properties. It is particularly recommended for flooring, boats and furniture finishes as well as anti-rust primers. PU62D60 based paints are characterized by:

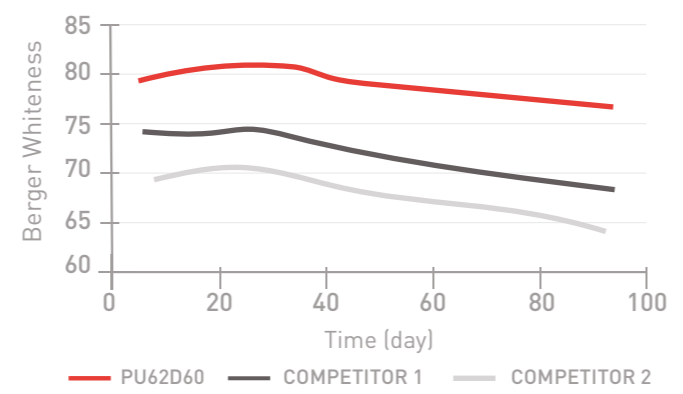
- 
Good resistance to water and saline environment
- 
Rapid drying
- 
Excellent hardness
- 
Good scratch resistance
- 
High gloss
- 
Good yellowing resistance
- 
Very good chemical resistance

Evaluation of yellowing as a function of time according to standard ASTM E313-15



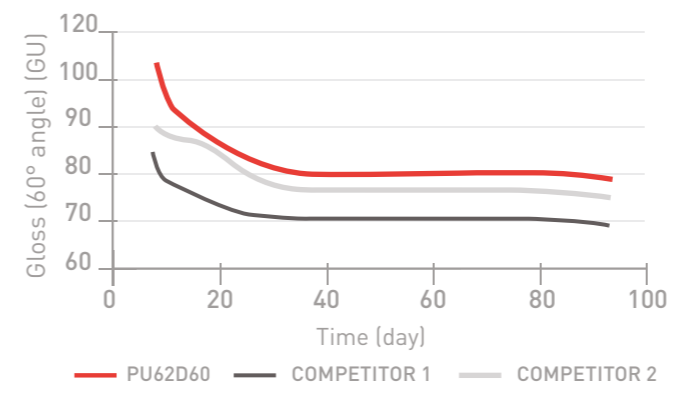
A BETTER COLOR RETENTION

Evaluation of whiteness as a function of time

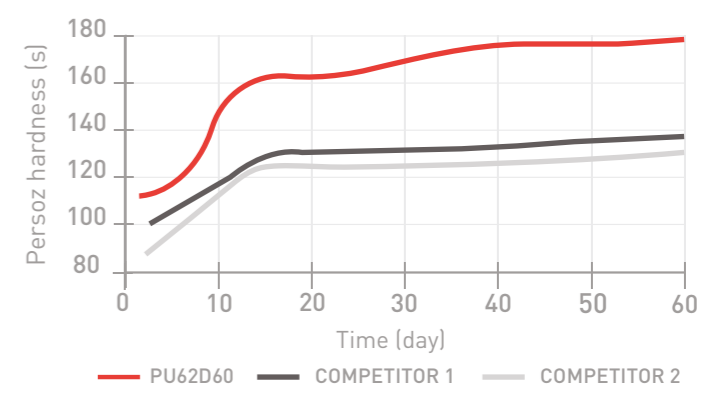


A HIGHER GLOSS

Evaluation of gloss 60° as a function of time according to standard ASTM D523



Evaluation of Persoz hardness as a function of time according to standard ISO 1522



AN EXCELLENT HARDNESS



Alkyd resins

MEDIUM OIL ALKYD RESINS


REFERENCE	SOLVENT	OIL TYPE	OIL LENGTH (%)	SOLID CONTENT (%)	BROOKFIELD VISCOSITY (cP)	GARDNER VISCOSITY	ACID VALUE (mg KOH/g)	GARDNER COLORATION	APPLICATIONS								KEY FEATURES
									WOOD AND METAL SYNTHETIC PAINTS	MARIN PAINTS AND METALLIC PAINTS	ANTI-RUST PAINTS	LACQUERS FOR INDUSTRIAL BODYWORK	LOW TEMPERATURE LACQUERS WITH AMINOPLAST REACTIVE RESINS	AIR DRYING PAINTS AND STOVING ENAMELS	TOPCOATS FOR INDUSTRIAL APPLICATIONS	PIGMENT PASTES	
MEDIUM OIL ALKYD RESINS BASED ON SOYBEAN OIL																	
SO50W50	WHITE SPIRIT	SOYBEAN OIL	50 +/- 1	50 +/- 1	8000-12000	Z4-Z6	5-10	MAX 7			*						Rapid drying, good yellowing resistance and good gloss retention.
SO50W50V	WHITE SPIRIT	SOYBEAN OIL	50 +/- 1	50 +/- 1	11000-15000	Z5-Z6	5-10	MAX 7			*						Rapid drying, good yellowing resistance and good gloss retention.
SO50W50HV	WHITE SPIRIT	SOYBEAN OIL	50 +/- 1	50 +/- 1	18000-22000	Z6-Z7	5-10	MAX 7			*						Rapid drying, good yellowing resistance and good gloss retention.
SO50W60	WHITE SPIRIT	SOYBEAN OIL	50 +/- 1	60 +/- 1	8000-14000	Z4-Z6	MAX 14	MAX 6			*		o	*			Chain stopped alkyd resin, rapid drying, good yellowing resistance and good gloss retention.
MEDIUM OIL ALKYD RESINS BASED ON SOYBEAN FATTY ACID																	
SO50WS60	WHITE SPIRIT + SOLVENT NAPHTHA	SOYBEAN FATTY ACID	49 +/- 1	60 +/- 1	2500-5000	Z-Z3	8-12	MAX 5	*		o	*		*	*		Chain stopped alkyd resin, rapid drying while keeping a sufficient open time, good yellowing resistance, good gloss retention and good compatibility with isocyanates and aminoplasts.
TO50WS60	WHITE SPIRIT + SOLVENT NAPHTHA	SOYBEAN FATTY ACID	49 +/- 1	60 +/- 1	2500-5000	Z-Z3	8-12	MAX 5	*		o	*	*	*	*		Chain stopped alkyd resin, rapid drying while keeping a sufficient open time, good yellowing resistance, good gloss retention and good compatibility with isocyanates and aminoplasts.
TO50WS50	WHITE SPIRIT + SOLVENT NAPHTHA	SOYBEAN FATTY ACID	49 +/- 1	50 +/- 1	500-1000	T-V	8-12	MAX 5	*		o	*	*	*	*		Chain stopped alkyd resin, rapid drying while keeping a sufficient open time, good yellowing resistance, good gloss retention and good compatibility with isocyanates and aminoplasts.
MEDIUM OIL ALKYD RESIN BASED ON REFINED LINSEED OIL																	
AGL52	WHITE SPIRIT	REFINED LINSEED OIL	52 +/- 1	50 +/- 1	2270-2700	Z-Z1	4-7	MAX 9			*	*					Good drying, good yellowing resistance, good gloss retention, good scrub resistance, good adhesion and excellent water resistance.

* Main use
o Possible use



SO50WS60 IN SYNTHETIC / INDUSTRIAL PAINTS


The chain stopped medium oil alkyd resin SO50WS60 is the reference of choice for the formulation of synthetic lacquers. SO50WS60 based paints have distinguished properties :


- 

Very fast drying
- 

Very good gloss
- 

Good adhesion to different substrates
- 

Very good yellowing resistance
- 

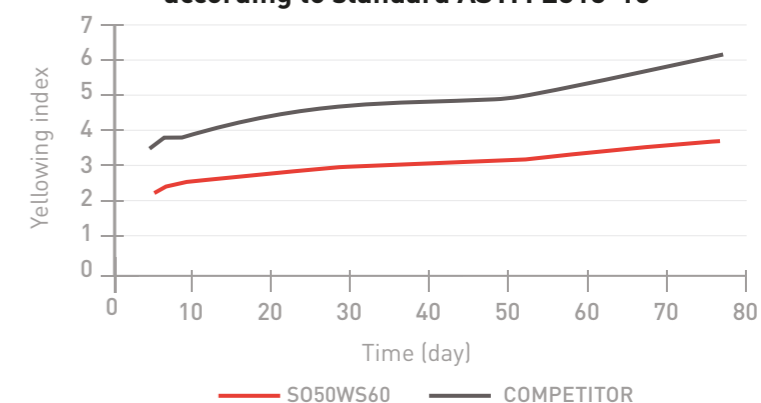
Excellent hardness
- 

Good chemical resistance
- 

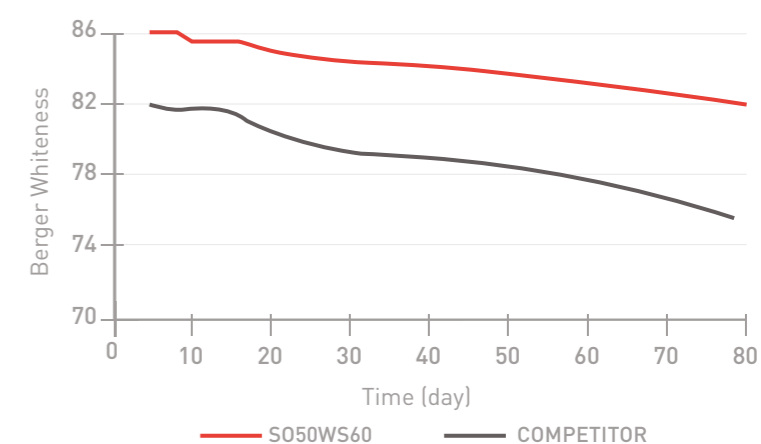
Excellent durability
- 

Very good water and weathering resistance

Evaluation of yellowing as a function of time according to standard ASTM E313-15

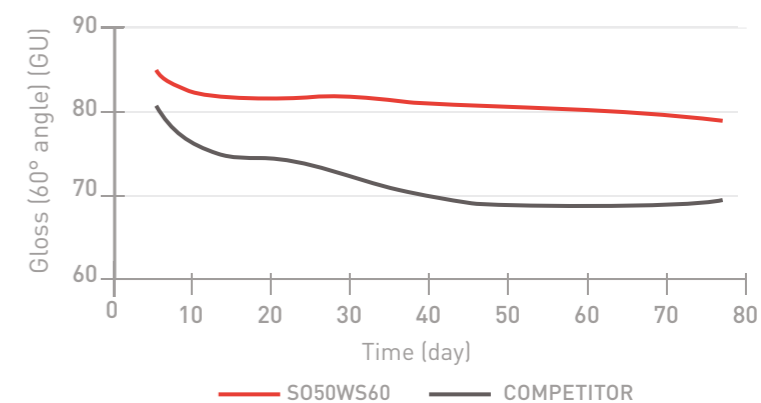


Evaluation of whiteness as a function of time



A BETTER COLOR RETENTION

Evaluation of gloss 60° as a function of time according to standard ASTM D523



A HIGHER GLOSS



Alkyd resins

SHORT OIL ALKYD RESINS

REFERENCE	SOLVENT	OIL TYPE	OIL LENGTH (%)	SOLID CONTENT (%)	BROOKFIELD VISCOSITY (cP)	GARDNER VISCOSITY	ACID VALUE (mg KOH/g)	GARDNER COLORATION	APPLICATIONS							KEY FEATURES
									STOVING ENAMELS	WOOD AND METAL PRIMERS	METALLIC PAINTS	AIR DRYING PAINTS	TOPCOATS FOR INDUSTRIAL APPLICATIONS	HAMMERED FINISH PAINTS	BI-COMPONENT POLYURETHANE VARNISHES	
SHORT OIL ALKYD RESINS BASED ON SOYBEAN FATTY ACID																
TO26X60	XYLENE	SOYBEAN FATTY ACID	26 +/- 1	60 +/- 1	8000-12000	Z4-Z5	5-15	MAX 6	*	*		*	*	o	*	Chain stopped alkyd resin, very rapid drying, good elasticity, good yellowing resistance, good adhesion and good weathering resistance.
TO26X60V	XYLENE	SOYBEAN FATTY ACID	26 +/- 1	60 +/- 1	17000-21000	Z5-Z7	10-20	MAX 6	*	*		*	*	o	*	Chain stopped alkyd resin, very rapid drying, good elasticity, good yellowing resistance, good adhesion and good weathering resistance.
TO26X50V	XYLENE	SOYBEAN FATTY ACID	26 +/- 1	50 +/- 1	1500-3500	X-Z2	10-20	MAX 5	*	*		*	*	o	*	Chain stopped alkyd resin, very rapid drying, good elasticity, good yellowing resistance, good adhesion and good weathering resistance.
TO26X50HV	XYLENE	SOYBEAN FATTY ACID	26 +/- 1	50 +/- 1	8500-10500	Z3-Z5	10-20	MAX 4	*	*		*	*	o	*	Chain stopped alkyd resin, very rapid drying, good elasticity, good yellowing resistance, good adhesion and good weathering resistance.
TO28X60	XYLENE	SOYBEAN FATTY ACID	28 +/- 1	60 +/- 1	2000-3000	Y-Z1	5-15	MAX 4	*	*		*	*	o	*	Chain stopped alkyd resin, very rapid drying, good elasticity, good yellowing resistance, good adhesion and good weathering resistance.
SHORT OIL ALKYD RESIN BASED ON DEHYDRATED CASTOR OIL																
CH41	XYLENE	DEHYDRATED CASTOR OIL	41 +/- 1	60 +/- 1	2000-5500	Y-Z4	6-9	MAX 7		*					*	Good hardness, good scratch resistance, good adhesion, good gloss retention, good durability and excellent pigment wetting.
SHORT OIL ALKYD RESIN BASED ON SATURATED FATTY ACID																
CO28X70	XYLENE	COCONUT FATTY ACID	28 +/- 1	70 +/- 1	35000-50000	Z6 - Z7	5-10	MAX 2	*					*	o	Very good hardness, excellent gloss, very good gloss retention and excellent yellowing resistance.
STYRENATED SHORT OIL ALKYD RESINS																
SG31	XYLENE	SOYBEAN FATTY ACID	30 +/- 1	55 +/- 1	1700 - 3300	Y-Z2	4-7	MAX 4			*			*		Styrene modified alkyd resin characterized by a very light color, good chemical resistance and very fast drying.
MS31X70	XYLENE	SOYBEAN FATTY ACID	30 +/- 1	70 +/- 1	40000 -60000	APPROX.Z7	6-11	MAX 4			*			*		Styrene modified alkyd resin characterized by a very light color, good chemical resistance and very fast drying.

* Main use
o Possible use



CO28X70 IN PU BI-COMPONENT LACQUERS

The coconut fatty acid based short oil alkyd resin CO28X70 is designed for use in general industrial wood and metal finishes of ambient cure, force cure and baking types. CO28X70 is highly recommended for clear and pigmented PU bi-component lacquers thanks to the following properties :



Non yellowing and good color retention.



Excellent gloss and gloss retention



Excellent hardness



Very good chemical resistance

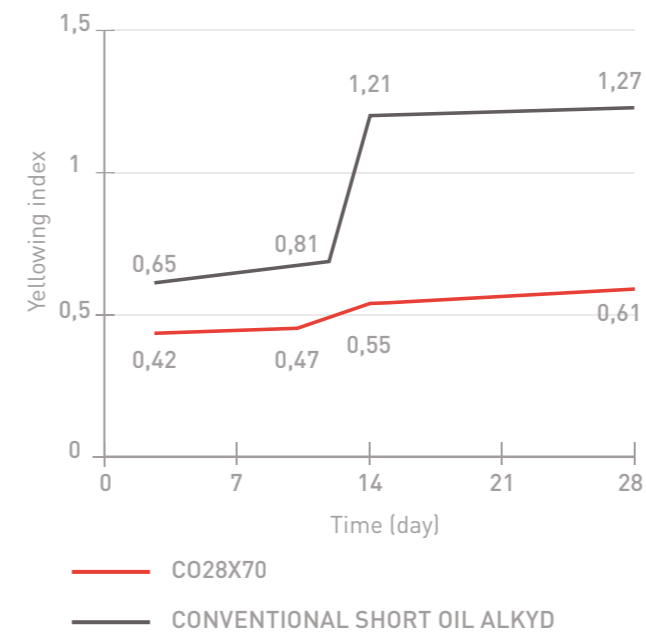


Good scratch resistance



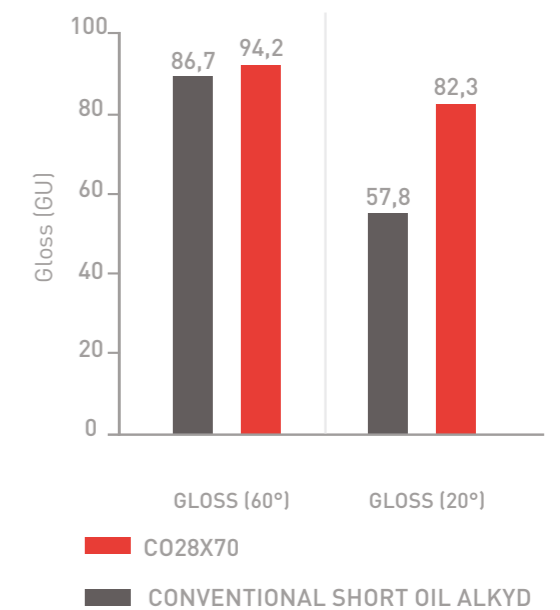
Excellent scrub resistance

Evaluation of yellowing as a function of time according to standard ASTM E313-15



A BETTER COLOR RETENTION

Evaluation of gloss as a function of time according to standard ASTM D523



A HIGHER GLOSS



ACRYLIC RESINS

- Thermoplastic acrylic resins
- Hydroxylated acrylic resins



Acrylic resins THERMOPLASTIC AND HYDROXYLATED ACRYLIC RESINS

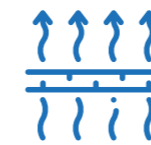
REFERENCE	OH CONTENT (%)	SOLVENT	SOLID CONTENT (%)	BROOKFIELD VISCOSITY (cP)	ACID VALUE (mg KOH/g)	HAZEN COLORATION	APPLICATIONS					KEY FEATURES
							ROAD MARKING PAINTS	FLOOR MARKING PAINTS	CAR REPAIR ENAMELS	SOLID COLOR/ CLEAR TOP COATS	INDUSTRIAL FINISHES	
THERMOPLASTIC ACRYLIC RESINS												
PROCRYL T50 PRD	-	TOLUENE	50 +/- 1	3000-6000	5-10	MAX 50	*	*				Very fast drying, extreme scrub and weathering resistance, excellent durability, excellent chemical and mechanical resistance, excellent heat and UV resistance and very good color and gloss retention.
PROCRYL T50 PRD-V	-	TOLUENE	50 +/- 1	8000-12000	MAX 10	MAX 50	*	*				Very fast drying, extreme scrub and weathering resistance, excellent durability, excellent chemical and mechanical resistance, excellent heat and UV resistance and very good color and gloss retention.
PROCRYL PR 60T	-	TOLUENE	60 +/- 1	10000-20000	5-10	MAX 50	*	*				Fast drying, good scrub and weathering resistance, excellent durability, good chemical and mechanical resistance, good heat and UV resistance and good color and gloss retention.
HYDROXYLATED ACRYLIC RESIN												
PROCRYL XB65PR45	4,2	XYLENE - BUTYL ACETATE	65 +/- 1	2000-6000	8-12	MAX 50			*	*	*	Bi-component non-yellowing acrylic resin (used in combination with aliphatic poly-isocyanates), high gloss, fast drying, excellent mechanical properties, excellent durability, good UV resistance, very good adhesion to different substrates and good chemical resistance.

* Main use

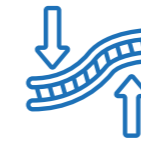


PROCRYL T50PRD IN ROAD MARKING PAINTS

The thermoplastic acrylic resin PROCRYL T50PRD is the reference of choice for the formulation of road marking paints. PROCRYL T50PRD offers exceptional properties to the paints :



Very fast drying



High elasticity



Excellent durability



Excellent resistance to tire-related scrub

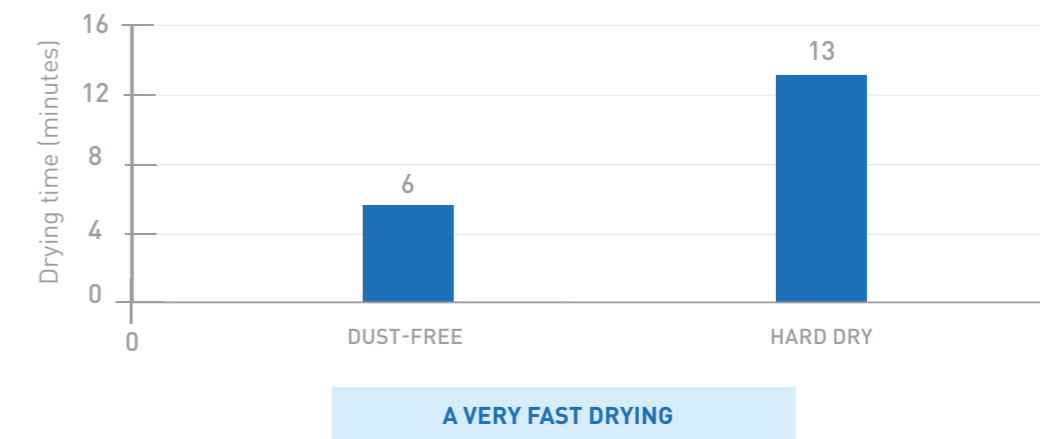


Excellent UV and weathering resistance

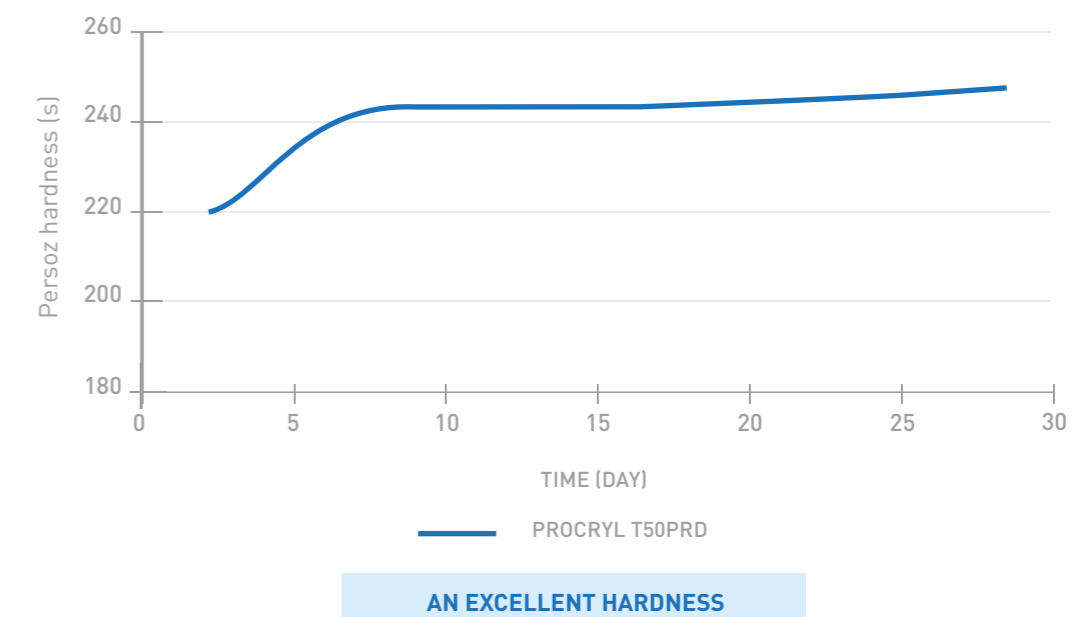


Excellent chemical resistance

Evaluation of drying time according to standard ASTM D5895



Persoz hardness as a function of time according to standard ISO 1522





POLYESTER RESINS

- Pre-accelerated unsaturated polyester resins
- Non-accelerated unsaturated polyester resins



Polyester resins

PRE-ACCELERATED UNSATURATED POLYESTER RESINS

REFERENCE	ASPECT	BROOKFIELD VISCOSITY (cP)	SOLID CONTENT (%)	ACID VALUE (mg KOH/g)	GEL TIME AT 25°C (min)	EXOTHERMIC PEAK (°C)	SOLVENT	APPLICATIONS					KEY FEATURES
								CASTING, CONTINUOUS LAMINATION	MARBLE ADHESIVES	ACRYLIC BACKING	HAND LAY UP	SPRAY UP	
PRE-ACCELERATED UNSATURATED ORTHOPHTALIC POLYESTER RESINS													
PES O 35A	PINK	400-600	64 +/-1	MAX 35	5-8	150-165	STYRENE	*					Wax free pre-accelerated polyester resin characterized by very high chemical resistance, good rigidity and good curing properties.
PES O 40A	PINK	MAX 500	62 +/-1	MAX 35	5-8	150-165	STYRENE	*					Wax free pre-accelerated polyester resin characterized by very high chemical resistance, good rigidity and good curing properties.
PES O 40A-V1	PINK	MAX 200	58 +/-1	MAX 35	5-8	150-165	STYRENE	*					Wax free pre-accelerated polyester resin characterized by very high chemical resistance, good rigidity and good curing properties.
AMINE PRE-ACCELERATED UNSATURATED ORTHOPHTALIC POLYESTER RESIN													
PES O 30AM	YELLOW	1100-1600	68-71	MAX 35	9-12	125-155	STYRENE		*				Amine accelerated Polyester resin characterized by medium flexibility, medium reactivity and excellent dry sandability.
THIXOTROPIC PRE-ACCELERATED ORTHOPHTALIC UNSATURATED POLYESTER RESINS													
PES O 35AT	BLUE	600-1000	64 +/-1	MAX 35	5-8	150-165	STYRENE				*		Thixotropic wax free pre-accelerated polyester resin characterized by very high chemical resistance, good rigidity and good curing properties.
PES O 45AT	BLUE	MAX 500	56-59	MAX 35	9-12	150-165	STYRENE		*	o	*		Thixotropic wax free pre-accelerated polyester resin characterized by very high chemical resistance, good rigidity and good curing properties.
AMINE PRE-ACCELERATED DCPD UNSATURATED POLYESTER RESIN													
PES D 35AM	YELLOW	350-450	61-64	5-15	8-10	90-110	STYRENE					*	Amine pre-accelerated unsaturated polyester resin with high reactivity, low viscosity, cold curing, good sandability. It forms a polymer of medium flexibility.
THIXOTROPIC PRE-ACCELERATED DCPD UNSATURATED POLYESTER RESIN													
PES D 40AT	BLUE	400-600	57-63	MAX 35	9-12	130-150	STYRENE		*	o	*		Thixotropic pre-accelerated DCPD polyester resin with low viscosity, low exothermic peak and very good wetting properties.

PES 045AT IN SPRAY UP

The thixotropic pre-accelerated unsaturated polyester resin PES 045AT is especially designed for spray up application technique. It is used in various fields : sanitary (bathtub, shower tray, washbasin, bench), transport (ambulance interior, car dashboard, boat, car deflectors) and construction (tanks). PES 045AT is characterized by :



Easy application thanks to its appropriate viscosity



Good rigidity



Good chemical resistance



Excellent mechanical properties

Tensile test according to standard : ISO 527-2 at 23°C



SPECIMEN DURING TEST

Tensile modulus: 3495 MPa.
Strain at break: 2,09%

Flexural test according to standard : ISO 178 à 23°C



SPECIMEN DURING TEST

Flexural modulus: 3228 MPa
Flexural strength: 123 MPa





Polyester resins

NON-ACCELERATED UNSATURATED POLYESTER RESINS

REFERENCE	ASPECT	BROOKFIELD VISCOSITY (cP)	SOLID CONTENT (%)	ACID VALUE (mg KOH/g)	GEL TIME AT 25°C (min)	EXOTHERMIC PEAK (°C)	SOLVENT	APPLICATIONS		KEY FEATURES
								CASTING	CONTINUOUS LAMINATION	
NON-ACCELERATED UNSATURATED ORTHOPHTHALIC POLYESTER RESINS										
PES O 35N	CLEAR AND LIMPID	400-600	64 +/- 1	MAX 35	5-8	150-165	STYRENE	*	*	Wax free non-accelerated polyester resin characterized by very high chemical resistance, good rigidity and good curing properties.
PES O 40N-V1	CLEAR AND LIMPID	MAX 300	60 +/- 1	MAX 35	5-8	150-165	STYRENE	*		Wax free non-accelerated polyester resin characterized by very high chemical resistance, good rigidity and good curing properties.
PES O 45NB	BLUE	MAX 300	54 +/- 1	MAX 35	10-14	150-165	STYRENE	*		Wax free non-accelerated polyester resin characterized by very high chemical resistance, good rigidity and good curing properties.
PES O 34N	CLEAR AND LIMPID	500-900	64 +/- 1	MAX 35	4-7	150-165	STYRENE	*	*	Wax free non-accelerated polyester resin characterized by very high chemical resistance, good rigidity and good curing properties.
NON-ACCELERATED UNSATURATED DCPD POLYESTER RESIN										
PES D 40N	CLEAR AND LIMPID	MAX 200	64 +/- 2	MAX 35	9-12	130-150	STYRENE	*		Non-accelerated DCPD unsaturated polyester resin of low viscosity, low exothermic peak and very good wetting properties.

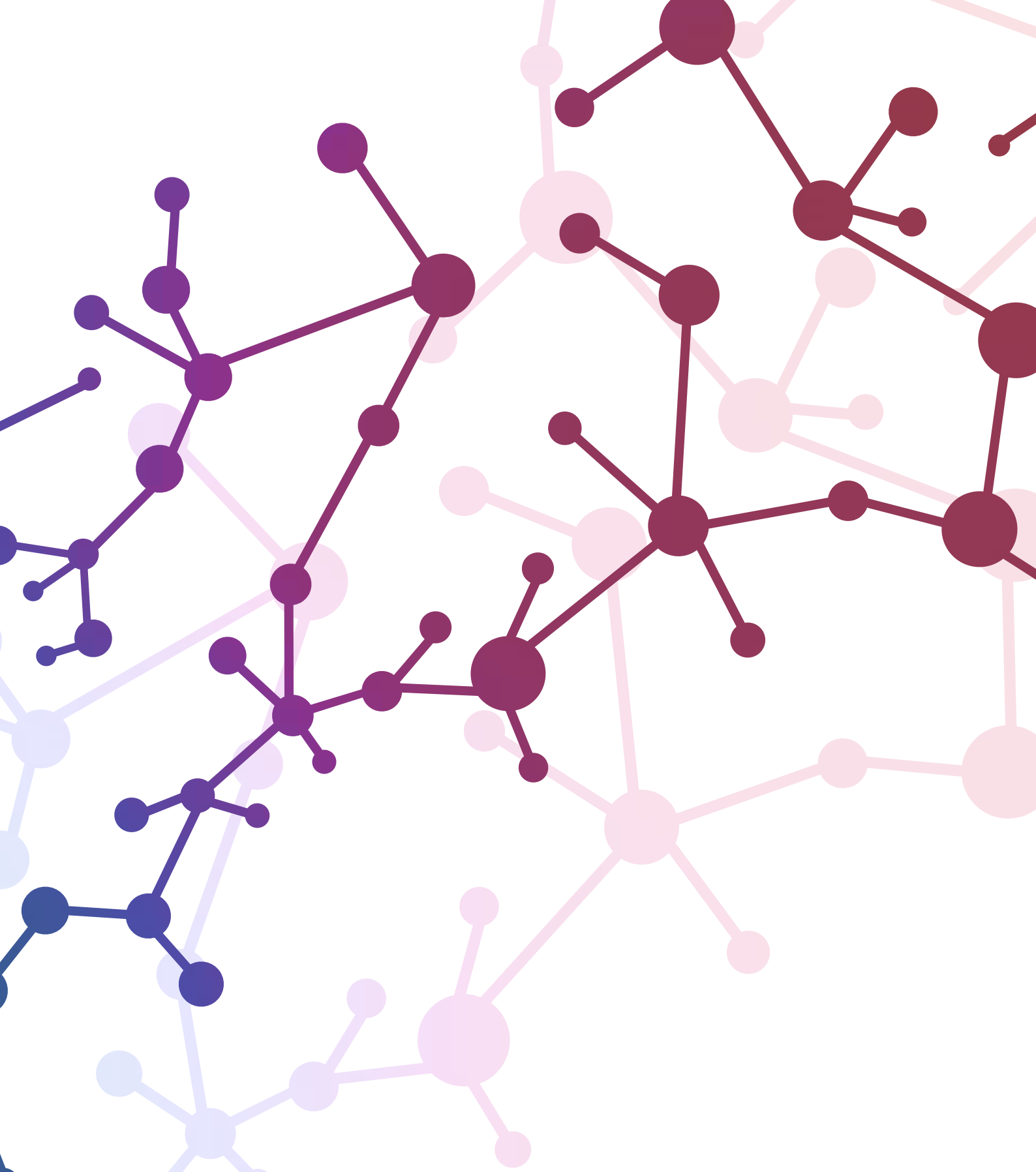
* Main use

OUR SALES MARKETS

- Tunisia
- Algeria
- Morocco
- Mali
- Mauritania
- Cabo Verde
- Senegal
- Guinea
- Sierra Leone
- Liberia
- Côte d'Ivoire
- Ghana
- Togo
- Burkina Faso
- Benin
- Nigeria
- Central African Republic
- Equatorial Guinea
- Congo
- Angola
- Gabon
- Cameroon
- Democratic Republic of the Congo
- Libya
- Egypt
- Chad
- Uganda
- Kenya
- United Republic of Tanzania
- Madagascar
- Mauritius
- Lebanon
- Jordan



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MPCPROKIM
Chemicals



9001



14001



27001



45001