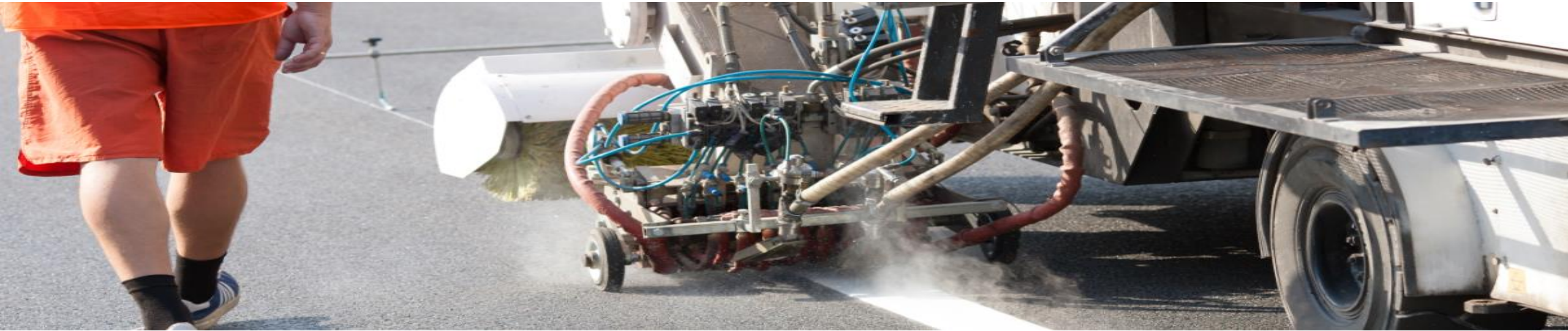


SOLVENT BORNE & HIGH SOLID RESINS FOR ROAD MARKING PAINTS



VIACRYL®, SETAL®, ADDITOL®, RESAMIN®, EBECRYL®



IMPORTANT FEATURES



- Durability
- Daylight and night visibility
- Skid resistance
- Quick drying
- Chemical and abrasion resistance
- Glass beads adhesion

SOLVENT BORNE RESINS FOR ROAD MARKING – 1K (THIN LAYERS)



ACRYLIC COPOLYMERS MODIFIED WITH DRYING FATTY ACIDS

VIACRYL® VSC 5721 can be used as sole binder for road marking paints. The fatty acids confer this material very good adhesion to oily surfaces.

STYRENE ACRYLIC COPOLYMERS

VIACRYL SC 121, VIACRYL SC 126 and VIACRYL SC 160 can be used as sole binder, usually without additional use of plasticising components and give elastic paints with good abrasion resistance.

PHENOLIC MODIFIED ALKYDS

Provide fast drying economical formulations. Usually in combination with chlorinated rubber.

The various delivery forms are available in page 4 according to products.

Due to the higher acid value, extenders and fillers used in road marking paints should be selected carefully. One should especially take care to avoid humidity in order to ensure stable formulations.

SOLVENT BORNE RESINS FOR ROAD MARKING – 1K (THIN LAYER)

PRODUCT OVERVIEW

Resin	Product Type	% NV	Viscosity (mPas)	Solvent	Characteristics
VIACRYL® SC 126/50LG	Thermoplastic Acrylic Resin	50	360-930	Solvent mixture	<ul style="list-style-type: none"> • Rapid solvent release • Excellent flexibility and adhesion • Excellent retention of white colour • Can be used in combination with chlorinated rubber
VIACRYL SC 160/60T	Acrylic polymer, plasticized	60	8000-15000	Toluene	<ul style="list-style-type: none"> • Rapid possibility to drive over • Very rapid solvent release • Sole binder with good adhesion
VIACRYL SC 121/60X	Thermoplastic acrylic resin	60	5000-9000	Xylene	<ul style="list-style-type: none"> • TPA in xylene, when toluene is not accepted • Excellent adhesion and abrasion resistance
VIACRYL SC 5721/65BAC VIACRYL SC 5721/65T	Fatty acid modified acrylic copolymer	65	300-600 200-500	Butyl acetate Toluene	<ul style="list-style-type: none"> • Very suitable for high solid formulations • Very suitable for high temperature • Very good adhesion to 'oily' surfaces
SETAL® 848 OX-60	Phenolic modified SOA	60	4000-6000	o -Xylene	<ul style="list-style-type: none"> • Fast drying • Can be used in combination with chlorinated rubber

SOLVENT BORNE RESINS FOR ROAD MARKING - 2K (COLD PLASTICS-THICK LAYERS)



VIACRYL® VSC 5745 and VIACRYL SC 5747 (non pre-catalysed) are reactive polyester resins dissolved in acrylic monomers,. They have been developed for Southern regions and optimised curing at higher temperatures.

VIACRYL VSC 2990 and VIACRYL SC 2991 (non pre-catalysed) are acrylic resins dissolved in acrylic monomers and therefore give a better initial whiteness when compared to previous binders. Materials are internally plasticized and very elastic. They can be formulated without the use of additional plasticizing components.

Non pre-catalysed resins are designed for machine applications.

SOLVENT BORNE RESINS FOR ROAD MARKING – 2K (COLD PLASTICS-THICK LAYERS) PRODUCT OVERVIEW

Resin	Product Type	% NV	Viscosity (mPas)	Characteristics
VIACRYL® VSC 5745	Reactive polycondensate resin in 40% MMA/BA monomers	100	60-115	<ul style="list-style-type: none"> • Cured with benzoyl peroxide • Good weather and abrasion resistance • Balanced hardness and elasticity
VIACRYL SC 5747	Reactive polycondensate resin in 40% MMA/BA monomers	100	60-115	<ul style="list-style-type: none"> • Same attributes as VIACRYL® VSC 5745 • Not pre-activated, to adjust reactivity/ drying profile
VIACRYL VSC 2990	Reactive polycondensate resin in 40% MMA/BA monomers	100	40-140	<ul style="list-style-type: none"> • Cured with benzoyl peroxide • Good weather and abrasion resistance • Internally plasticized • Very elastic (no need for plasticizer) • Better initial whiteness
VIACRYL SC 2991	Reactive polycondensate resin in 40% MMA/BA monomers	100	40-140	<ul style="list-style-type: none"> • Same attributes as VIACRYL® VSC 2990 • Not pre-activated, to adjust reactivity/ drying profile
EBECRYL® 230	Urethane modified acrylic	100	n.a.	<ul style="list-style-type: none"> • Reactive diluent • Improve flexibility (10-30 dosing)

ADDITIVES FOR WATER BORNE AND SOLVENT BORNE ROAD MARKING SYSTEMS

PRODUCT OVERVIEW

Additive	Technology	Characteristics
ADDITOL® XL 270	SB & WB	<ul style="list-style-type: none">• Dispersant & Rheology modifier• Excellent pigment wetting for inorganic pigments & fillers• Rheology modifier bringing strong anti settling properties
ADDITOL XL 6577	SB	<ul style="list-style-type: none">• Strong wetting agent for inorganic pigments & fillers• Designed for both direct grinding and pigment pastes• Cost efficient material
ADDITOL XW 6569	WB	<ul style="list-style-type: none">• Strong defoamer for WB systems• 20% silicone emulsion boosted with silica particles
ADDITOL XW 6580	SB & WB	<ul style="list-style-type: none">• Leveling additive, strong substrate wetting agent for both WB & SB systems• Modified trisiloxane, 100% active
RESAMIN® HF 480	SB	<ul style="list-style-type: none">• Plasticizer• Urea carbamide resin

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