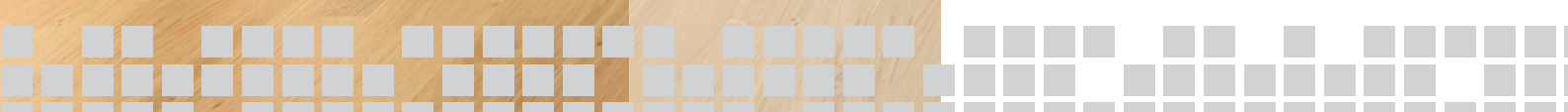




# Polymers for Coatings



**CROMOGENIALINITIS**  
YOUR SPECIALIST FOR SPECIALTIES

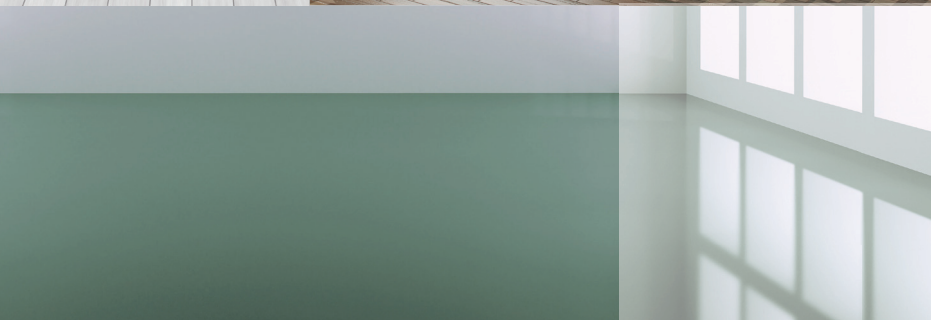




## Polymers for Coatings



CROMOGENIA offers a broad range of technology based products and solutions to customers in approximately 160 countries and in high growth sectors. We have developed a diversified portfolio of waterbased resins, based on our longstanding partnership with customers. Our knowledge can help you to find sustainable solutions to move from solvent-based to water-based systems on diverse substrates, increasing abrasion resistance, durability at low emissions and with less Volatile Organic Compounds.



Our unique expertise in wood-floor applications results in resins that help coatings to perform consistently in the toughest conditions and cost-effectiveness of your coatings products.



**CROMOGENIA is a global science-based company active in the coatings market, driving environmental progress and creating sustainable values.**

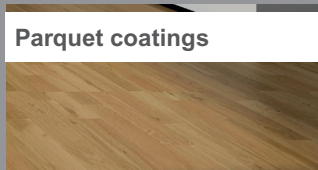
**CROMOGENIA offers a broad range of technology to passionately innovate with endless possibilities, adding value to people's lives and ensuring profitability.**

Our brand names are well known around the world, including Cromelastic™ and Unicryl™. Customers rely on us for a unique range of tailor-made, sustainable solutions based on water-borne technology.

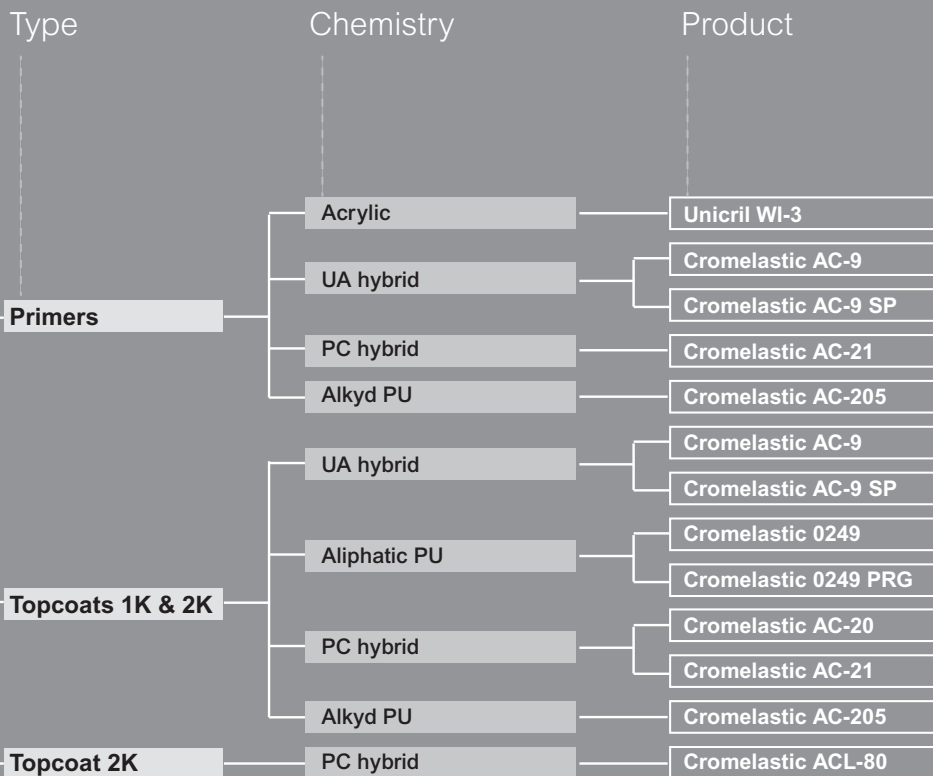


# WATER BORNE

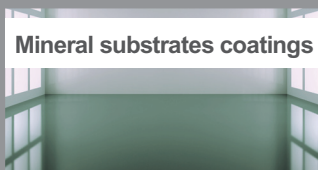
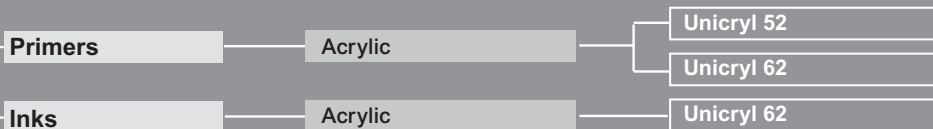
## Water-borne



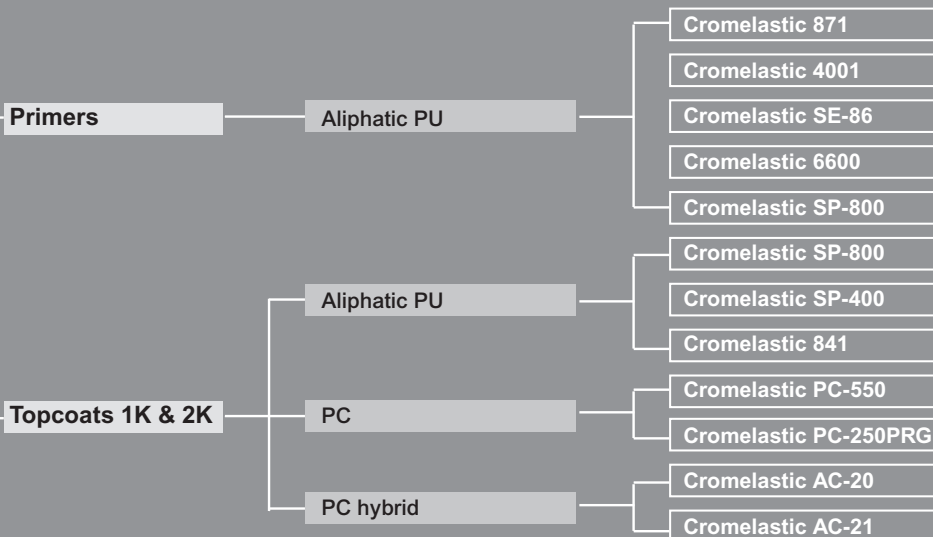
Parquet coatings



Panelling



Mineral substrates coatings



# COMPATIBILITY

## Compatibility with most common used solvents

Name	Ethylene Glycol	Dowanol Eph	Diethylene Glycol	Dipropylene Glycol	Butoxyl	Butyl Diglycol	Dowanol DpMB	Propylene Glycol	Hexylene Glycol	Ethyl Diglycol	Dowanol DPM	Butyl Glycol	Propylene DMM	Ethyl Glycol	Ethoxy Propanol	Dowanol PM	Isobutanol	Isopropyl Alcohol	Ethanol
Cromelastac AC 9	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Cromelastac AC 9 SP	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Cromelastac AC 20	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Cromelastac AC 21	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Cromelastac AC 205	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Cromelastac ACL 80	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Cromelastac 0249	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Cromelastac 0249 PRG	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Cromelastac M89	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Cromelastac 871	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Cromelastac 4001	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Cromelastac SE 86	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Cromelastac H 71	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Cromelastac 4569 PRG	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Cromelastac 6600	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Cromelastac PC550	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Cromelastac 10481/144	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Cromelastac 841	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Cromelastac 1800	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Cromelastac SP 400	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Cromelastac SP 800	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Cromelastac C400	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Unicryl 181				■				■						■	■				
Unicryl C0591	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Unicryl WI-5	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Unicryl WE-7	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

■ Not Compatible  
 ■ Fully Compatible  
 ■ Partially Compatible  
 ■ Not tested



# OVERVIEW

## Water Based Resins

Name	Solids %w	Characteristics	Hardness König	Observations
<b>Polyurethanes</b>				
<b>Hybrids Aliphatics</b>				
Cromelastic AC-9	35	Without NMP	125	Best performance / economical solution for parquet floorings
Cromelastic AC-9 SP	35	AC-9 Solvent free, high MFT, very hard	140	Excellent ecological friendly solution for parquet floorings
Cromelastic AC-20	37	Solvent free / PC based	217	Best mechanical and chemical properties in 1K and 2K topcoat varnishes
Cromelastic AC-21	35	Solvent free / AC-20 oil modified	190	Less MFT than AC-20, better wettability
Cromelastic AC-205	35	Solvent free / AC-20 alkyd modified	185	More wettability than solvent-borne product
Cromelastic ACL 80	35	Solvent free/ hydroxil free groups	169	Best mechanical and chemical properties in 2K
<b>Polyester modified</b>				
Cromelastic 0249	40	High hardness, good abrasion resistance	130	Best performance / economical solution in pure PUD for parquet floorings
Cromelastifc 0249 PRG	40	0249 without NMP and NEP, high abrasion resistance	130	Ecological friendly alternative for parquet floorings and mineral substrates
Cromelastic M-89	30	High hardness, excellent abrasion resistance	160	High drying rate
Cromelastic 871	35	Excellent mix with acrylics binders, high hardness	125	Good adhesion PVC & ABS
Cromelastic 4001	35	Good adherence over difficult surfaces, flexible type	80	High Glossy
Cromelastic SE-86	40	Medium hardness, high flexibility	45	Good adhesion PVC & ABS
Cromelastic H-71	40	High hardness, no flexibility	82	Good performance over windows profiles
Cromelastic 4569 PRG	35	Similar to 4001 with better scratch resistance and NMP/NEP free	70	"soft" effect over leather, textile and plastic substrates
Cromelastic 6600	45	Similar to SE-86, less hardness, very high flexibility	31	Good performance over flexible substrates
Cromelastic SP 800	35	Solvent free	87	Best performance / economical / ecological friendly solution over different substrates
<b>Polycarbonate</b>				
Cromelastic PC550	38	Very high chemical resistance and hydrolysis resistance	125	Good hardness, good adherence over plastic substrates, exterior durability
Cromelastic PC550PRG	38	NMP and NEP free	125	Ecological friendly alternative to PC-550
Cromelastic PC250	37	Very high chemical resistance, hydrolysis resistance and high flexibility	35	High elongation resistance over plastic substrates, exterior durability
Cromelastic PC250 PRG	38	NMP and NEP free	35	Ecological friendly alternative to PC-250
<b>Polyether</b>				
Cromelastic 841	40	Economic, high flexibility and lower hardness	35	Special binder for cork and sealer crackele
Cromelastic C-400	25	Cationic PUD, medium hardness	-	Special anti-tanines formulations
Cromelastic D-1800	38	High flexibility and medium hardness	110	Good adherence over mineral substrates
Cromelastic SP 400	40	Similar to 841 but solvent free, very high flexibility	25	Best performance / economical / ecological friendly solution over flexible substrates
<b>Acrylic</b>				
Unicryl WI-3	40	Interior use, all purposes	95	Economical solution
Unicryl WI-5	38	Interior use with high abrasion and chemical resistance	125	Best performance / economical acrylic solution for parquet floorings, used alone or mixed with our PUD's
Unicryl WE-7	40	Exterior use, high block resistance	66	High "early water" resistance
Unicryl C-181	35	Rub resistance	-	Acid kind, increase pH > viscosity
<b>Alkali soluble</b>				
Unicryl 62	50	Excellent pigment wetting	141	Low viscosity, binder for MDF system and pigment concentrates
Unicryl 68	46	Excellent pigment wetting	141	High viscosity, binder for MDF system and pigment concentrates



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