



Polymers for Coatings

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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.

CROMOGENIA offers a broad range of technology based products and solutions to customers in approximately 60 countries in high growing 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 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.

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

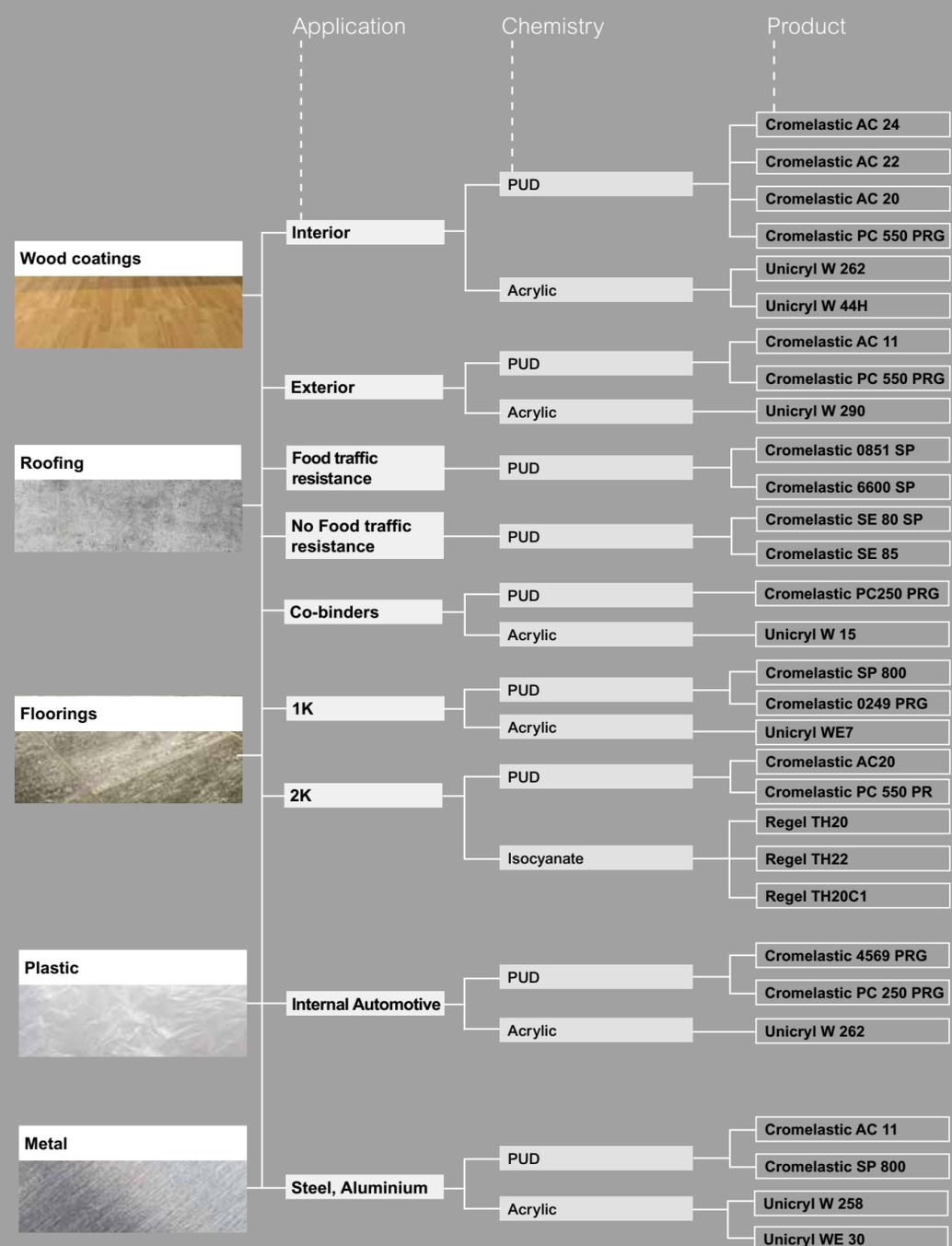


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ENGLISH



Water Borne Polymers for Coatings



Polyurethanes

Name	Solids (%W)	Characteristics	Hardness (könig)	Observations
Hybrids aliphatics				
CROMELASTIC AC 24	40	Hybrid PUD polyester based	100	Best chemical resistance for parquet floorings
CROMELASTIC AC 11	35	Hybrid PUD polyester based	125	Excellent ecological friendly solution for parquet floorings
CROMELASTIC AC 20	37	Hybrid PUD, PC based	217	Best mechanical and chemical properties in 1K and 2K topcoat varnishes
CROMELASTIC AC 22	35	Hybrid PUD, polyester based	120	Good balance chemical and mechanical resistance
Modified Polyester				
CROMELASTIC 0249 PRG	40	C.0249 without NEP/NMP, High abrasion resistance	130	Ecological friendly alternative for parquet floorings and mineral substrates
CROMELASTIC SE 86	40	Medium Hardness/High flexibility	45	Good adhesion over difficult substrates
CROMELASTIC 4569 PRG	35	C.4569 solvent free	78	Excellent ecological friendly solution for difficult substrates
CROMELASTIC 6600 SP	35	Similar to SE 86, less hardness, high flexibility	31	Good performance over flexible substrates
CROMELASTIC SP 800	45	Solvent free	87	Best performance/ecological friendly solution on different substrates
Polycarbonate				
CROMELASTIC PC 550 PRG	38	High chemical and hydrolysis resistance	125	Good hardness and adherence on plastic substrates, exterior durability.
CROMELASTIC PC 250 PRG	38	High chemical and hydrolysis resistance/ Good flexibility	35	High elongation resistance on plastic substrates. Exterior durability
Polyether				
CROMELASTIC C 400	25	Cationic PUD, medium hardness	-	Special anti-tanines formulations
CROMELASTIC SE 85	40	High flexibility and adhesion	-	Highest performance in waterproof membranes for roofing applications.
CROMELASTIC SP 400	40	Solvent free, high flexibility and low hardness	25	Special binder for cork / Best solution over flexible substrates
CROMELASTIC SE 80 SP	40	Solvent free/high flexibility	25	Good performance in waterproof membranes for roofing applications.

Acrylic

Name	Solids (%W)	Application	Characteristics	MFFT (°C)	Observations
UNICRYL W 262	38	Interior	Selfcrosslinking acrylic binder	30	Highest chemical resistance and scratch resistance, interior wood, and interior car
UNICRYL WE 30	45	Interior/exterior	Selfcrosslinking acrylic binder	23	Good performance on metallic substrates. Excellent exterior durability.
UNICRYL W 15	43	Interior	Selfcrosslinking acrylic binder	15	Excellent stain blocking and scratch resistance.
UNICRYL WE 7	40	Exterior	Selfcrosslinking acrylic binder	12	Best choice for exterior coatings with early water resistance.
UNICRYL W 44 H	43	Interior	Hydroxyl group containing acrylic binder	44	Designed for 1K or 2K industrial coatings with good adhesion on plastic, metal and wood substrates
UNICRYL W 258	38	Interior	Selfcrosslinking acrylic binder	30	Low coalescent demand. Ecological friendly solution for interior wood coatings.
UNICRYL W 290	44	Exterior	Self crosslinking acrylic binder	4	Highest environmental resistance, exterior wood

Isocyanate crosslinking agents

Name	Solids (%W)	Ionicity	Characteristics	NCO (%)	Observations
REGEL TH 20	100	Non ionic	hydrophilic aliphatic polyisocyanate	18	Universal crosslinker for 2K system
REGEL TH 22	100	Non ionic	hydrophilic aliphatic polyisocyanate	18	Lower viscosity than TH 20.
REGEL TH 20 C1	80	Non ionic	hydrophilic aliphatic polyisocyanate	13,6	Crosslinker for high gloss 2K systems especially for wood coatings.
REGEL TH 27	70	Non ionic	hydrophilic aliphatic polyisocyanate	12,5	Easier to mix with water than TH20 and TH22
REGEL TH 25	75	Non ionic	Blocked aliphatic polyisocyanate	10,6	Solvent Based crosslinker for 2K can coatings systems.
REGEL TH 80	40	Non ionic	Blocked aliphatic polyisocyanate	4,5	Designed for 2K industrial and textile coatings.
REGEL TH 85	40	Non ionic	Blocked aliphatic polyisocyanate	4,5	Designed for 2K industrial and textile coatings.

New developments

CROMELASTIC UV CURGING	Water based hybrid PUD, wood coatings UV curing
CROMELASTIC ECO	Water based PUD, TEA, DMEA, EDA free