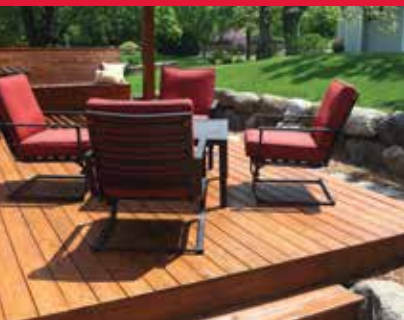


CRILAT 7829

CRILAT 7829 is a self-crosslinking, water-based acrylic dispersion designed for formulations of water-based varnishes and enamels for joinery and outdoor applications. CRILAT 7829 is free from alkylphenol ethoxylates (APEO-free).



The main characteristics of CRILAT 7829 include the following:

- Very high blocking resistance and high piling speed
- Good water resistance
- High transparency
- Excellent rheological behavior
- Good elasticity
- Excellent wet and dry adhesion on wood and metal
- High weathering resistance

APPLICATIONS

The dispersion of CRILAT 7829 is used for the preparation of clear top-coat varnishes as well as intermediate coats (both clear and pigmented) for stains, primers and impregnating media for exterior wood coatings. Due to its very good adhesion on different substrates, CRILAT 7829 is used to formulate satin and gloss water-based enamels.

CRILAT 7829

	UNIT	VALUE	METHOD
1. SUPPLY SPECIFICATIONS			
Solid content	%	44±1	MVPF 01
Brookfield viscosity ⁽¹⁾	mPa·s	<300	UNI EN ISO 2555
pH		8.0±0.5	ISO 976

2. TYPICAL VALUES			
Minimum film-forming temperature	C	<10	UNI 8490-14
Particle size distribution	µm	0.06 – 0.10	MVANS 20
Density at 23°C	Kg/L	1.06	MVPF 18

⁽¹⁾ RVT 20 rpm, Spindle 1, 23°C

Clear And Pigmented Impregnating - Spray Application

CLEAR IMPREGNATING

Rif. 10 03 EV

COMPONENTS	w. %	FUNCTION	SUPPLIERS
Crilat 7829	27.00	Binder	Vinavil
Tego Airex 902W	1.00	Defoamer	Evonik
Water	70.00		
ME 93935.E	2.00	Wax	Michelman
Total	100.00		

PIGMENTED IMPREGNATING

COMPONENTS	w. %	FUNCTION	SUPPLIERS
Clear impregnating	93.30		
Transparent iron oxide yellow	4.50	Pigment	Various
Transparent iron oxide red	2.00	Pigment	Various
Transparent iron oxide black	0.20	Pigment	Various
Total	100.00		

CHARACTERISTICS	UNIT	VALUE	METHOD
Solid content	%	17.00	MVPF 01
Brookfield viscosity ⁽¹⁾	mPa·s	< 100	UNI EN ISO 2555
pH		8.50	ISO 976

⁽¹⁾ RVT 20 rpm, Spindle 1, 23°C

CLEAR TOPCOAT - AIRLESS APPLICATION

Rif. 10 02 E P

COMPONENTS	w. %	FUNCTION	SUPPLIERS
CRILAT 7829	90.00	Binder	Vinavil
Drewplus SG 4552	1.00	Defoamer	Ashland
Water	1.60		
Butyl-diglycol	2.00	Coalescent	Various
Coatex BR100P	0.70	Thickener	Coatex
Surfynol 104 E	0.50	Wetting agent	APP
Viscoatex 730 (30% in water)	2.00	Thickener	Coatex
Drewplus TS 4481	2.00	Defoamer	Ashland
Transparent iron oxide red	0.10	Pigment	Various
Transparent iron oxide yellow	0.10	Pigment	Various
Total	100.00		

	UNIT	VALUE	METHOD
CHARACTERISTICS			
Solid content	%	42.5	MVPF 01
Brookfield viscosity ⁽¹⁾	mPa.s	26.000	UNI EN ISO 2555
pH		8.5	ISO 976

⁽¹⁾ RVT 20 rpm, Spindle 6, 23°C

Weathering resistance in accordance
with Norm UNI EN ISO 4892/02

(photos show 1,000 hours of exposure)

CRILAT 7829

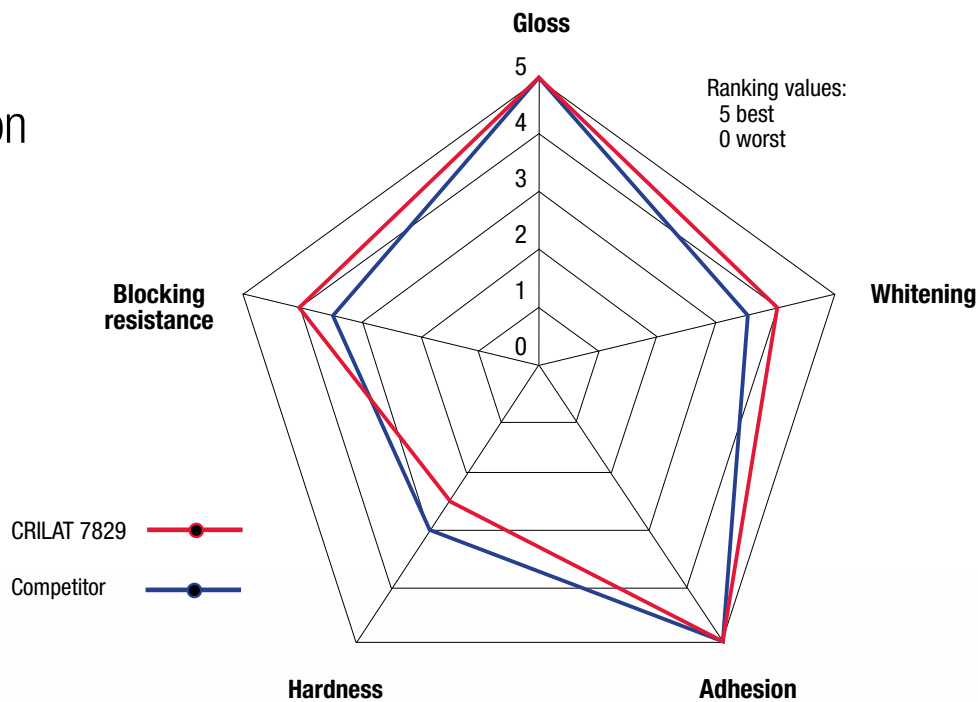


Competitor A



CRILAT 7829

Performance comparison
of coating made with
CRILAT 7829 vs.
competitor product



CRILAT 7829 has good compatibility with the following additives:

- **Thickeners:** Coapur 6050, Coapur BR100P, Viscoatex 730, Thixol 53L, Rheotech 3000 (Coatex); Rheolate 288 (Elementis); Tafigel PUR 41, PUR 61, PUR 80 (Münzing Chemie).
- **Defoamers:** Tego Airex 902W, Tego Airex 904W (Evonik); Agitan 731, Agitan 150 (Münzing Chemie); Surfynol DF 58, Surfynol DF 70, Surfynol MD 20 (APP); Byk 024, Byk 093 (Byk); Drewplus SG 4552, Drewplus TS 4481, Drewplus S 4386, Drewplus S 4374 (Ashland).
- **Coalescent agents:** Butyl-glycol, Butyl-diglycol, Texanol (Eastman); Dowanol DPM, Dowanol DPnB (Dow).
- **Wetting and leveling agents:** Surfynol 104E, Envirogem AD 01 (APP); Byk 347 (BYK); Tego Twin 4100 (Evonik).

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