



ESACOTE® UA 7023

Chemical description

ESACOTE® UA 7023 is a solvent free anionic self-crosslinking aliphatic copolymer dispersion based on polycarbonate polyurethane and acrylic esters.

Main use

ESACOTE® UA 7023 can be used as binder for clear and pigmented coatings providing:

- quick drying,
- good hardness development,
- high gloss and clarity,
- good mechanical, stain and chemical resistance also in 1K application,
- good balance of elasticity and hardness,

Typical values

Appearance at 25 °C:	opalescent liquid
pH:	7.0-9.0
(at 25°C on supplied product, ASTM E 70):	
Viscosity (cPs)	< 300
(Brookfield RVT @ 25 °C, 50 rpm spindle 1)	
Solid content, %:	34.0-36.0

Product properties

Solvent content, % :	0%
Density, @ 25°C g/ml:	1.01 -1.03
Minimal film forming temperature, °C:	~60
Koenig hardness (s)	~140
Film aspect:	hard, transparent and glossy

Please contact our sales representatives for test methods details.

Applications

ESACOTE® UA 7023 is a multipurpose resin that can be used on various substrates and applications. Here below some examples:

- Wood coating, for cabinets and furniture formulations, clear and pigmented.
- On plastic films as antiscratch OPV varnish.
- On aluminium as protective coating 1K.

Starting point formulations are available through our sales representatives.

surfacetreatment.lamberti.com

ESACOTE® UA 7023 can be used as sole binder or in combination with other water-based resins. A preliminary check of compatibility is recommended. We generally suggest small percentage of glycols for good film formation.

Water dispersible polyisocyanates, polyaziridines or carbodiimides crosslinkers can be used to enhance the overall properties.

Storage and handling

Suggested storage condition for ESACOTE® UA 7023 is between +5°C and +35°C. Keep the product away from frost and direct light. If stored under these conditions, ESACOTE® UA 7023 is stable for 12 months after production date.

Packaging

ESACOTE® UA 7023 is available in 120 kg drums or 1,000 kg intermediate bulk containers.

Material safety

Please consult the ESACOTE® UA 7023 safety data sheet before its use.

Regulatory information

In case compliance with specific regulations is required please contact our sales representatives.

ESACOTE® UA 7023 + ESACOTE® AC 202

Formula Orientativa Concreto

Introduction order	Raw material	Quantity %	Function & Supplier
1	WATER	10	
2	VERAPON R-405	2.3	Wetting Agent (Lamberti)
3	SURFYNOL 104E	0.5	Surfactant(Evonik)
4	BYK 024	0.2	Defoamer(Byk)
5	DIOXIDO DE TITANIO R-902	13	Pigment
6	WOLLASTONITA NYAD M-325	2.5	Charge
7	POSSALC 6	1.5	Charge
8	MINUSIL 40	2.5	Charge
9	DIETILENGLICOL	1.5	Alveg
10	ESACOTE® AC 202	15	Poliuretano
11	ESACOTE® UA 7023	45	Poliuretano
14	BUTIL CARBITOL	4	Alveg
15	BYK 333	0.3	Leveler agent(Byk)
16	BYK 346	0.1	Wetting agent(Byk)
17	COATOSIL MP 200	0.2	Adhesion promoter (Momentive)
18	AMP 95	0.2	Regulador pH
19	TEGO FOAMEX 902	0.1	Defoamer(Evonik)
20	LIMOCID 135 TR	0.2	Bactericida
21	VISCOLAM® PS 170 AIR (Sol. 20%)	0.7	Espesante
22	PRETO NEOPRINT DBK	0.2	Pigmento
Total		100	
Si desean hacerlo 2K, agregar:			
23	CROSSLINER 08 LM	10	Polyisocyanate Crosslinker (Lamberti)
Total		110	



ESACOTE® AC 202

Chemical description

ESACOTE® AC 202 is an anionic, self crosslinking, and APEO free acrylic emulsion.

Main use

ESACOTE® AC 202 can be used as binder for clear and pigmented coatings providing:

- quick drying,
- good hardness development,
- high gloss and clarity,
- mechanical, chemical and stain resistance also in 1K application.

Typical values

Appearance at 25 °C:	milky liquid
pH: (at 25°C on supplied product, ASTM E 70):	7,0-8,0
Viscosity (mPa.s): (Brookfield RVT @ 25 °C, 20 rpm spindle 2)	< 500
Solid content, %:	42.0-44.0

Product properties

Solvent content, %:	0%
Minimal film forming temperature, °C:	~50
Density @ 25°C, g/ml	~1.05
Koenig hardness (sec):	~85
Film aspect:	transparent and glossy

Please contact our sales representatives for test methods details.

Applications

ESACOTE® AC 202 is a multi purpose resin that can be used on various substrates and in several applications. Here below some examples are described:

- on wood substrates as sealer, primer and top coat for flooring, cabinets and furniture formulations
- Metal clear and pigmented coating.

Starting point formulations are available through our sales representatives.

ESACOTE® AC 202 can be used as a sole binder or in combination with other water based resins. A preliminary check of compatibility is recommended.

We generally suggest small percentage of glycols for good film formation.

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Water dispersible polyisocyanates, polyaziridines or carbodiimides crosslinkers can be used to enhance the overall properties.

Storage and handling

Suggested storage conditions for ESACOTE® AC 202 is between +5°C and +40°C. Keep the product away from frost and direct light. If stored under these conditions, ESACOTE® AC 202 is stable for 12 months after production date.

Packaging

ESACOTE® AC 202 is available in 120 kg drums or 1000 kg IBC containers.

Material safety

Please consult the safety data sheet of ESACOTE® AC 202 before its use.

Regulatory information

In case compliance with specific regulations is required please contact our sales representatives