



ESACOTE® AC 565

Chemical description

ESACOTE® AC 565 is an anionic, self crosslinking, and APEO free acrylic emulsion.

Main use

ESACOTE® AC 565 can be used as low co-solvent demand binder for clear and pigmented coatings providing:

- 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:	7.0-8.0
(at 25°C on supplied product, ASTM E 70):	
Viscosity (mPa.s):	< 500
(Brookfield RVT @ 25 °C, 20 rpm spindle 2)	
Solid content, %:	39.0-41.0

Product properties

Solvent content, %:	0%
Minimal film forming temperature, °C:	~55
Density @ 25°C, g/ml	~1.05
Koenig hardness (sec):	~125
Film aspect:	transparent and glossy

Please contact our sales representatives for test methods details.

Applications

ESACOTE® AC 565 is self crosslinking resin that can be used on interior wood coating as sealer, primer and top coat for flooring, cabinets and furniture formulations.

ESACOTE® AC 565 provides good stains and chemical resistance also in pigmented 1K formulations.

Starting point formulations are available through our sales representatives.

ESACOTE® AC 565 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.

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

Storage and handling

Suggested storage conditions for ESACOTE® AC 565 is between +5°C and +40°C. Keep the product away from frost and direct light. If stored under these conditions, ESACOTE® AC 565 is stable for 12 months after production date.

Packaging

ESACOTE® AC 565 is only available in 1Kg lab sample.

Material safety

Please consult the safety data sheet of ESACOTE® AC 565 before its use.

Regulatory information

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

surfacetreatment.lamberti.com

This information and our technical recommendations, if any, both verbal and in writing, are given to the best of our knowledge, without any express or implied warranty, e.g., regarding their fitness for a specific purpose. Each user of our products is the sole responsible for assessing and ensuring compliance with all legal regulations including intellectual property laws and necessary certifications and authorizations with respect to the use, combination and processing of our products. Our technical recommendations do not release the user from the obligation to check its validity and to test our products as to their suitability and fitness for the intended processes and uses. The application, use and processing of both our products and the products manufactured by the user (on the basis of our technical recommendations, if any) are beyond our control and, therefore, the user is the sole responsible for them. Detailed information and instructions on handling the products and cautions to be observed in the use of them are available in our relevant Safety Data Sheet.

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GLOSSY 2K TOP COAT FORMULATION

Introduction order	Raw material	Quantity %	Function & Supplier
1	ESACOTE® AC 565	80	Binder (Lamberti)
2	BUTIL CARBITOL	4	Coalescent(DOW)
3	WATER	12	
4	BYK 346	0.5	Wetting agent(Byk)
5	BYK 333	0.1	Leveler agent(Byk)
6	TEGO AIREX 902	0.1	Antibubble (Evonik)
7	WATER	3.1	
8	TEGO AIREX 902	0.1	Defoamer (Evonik)
7	VISCOLAM® PS 170 AIR	0.1	Rheology modifier (Lamberti)
Total		100	
9	CROSSLINKER 08 LM	10	Polyisocyanate(Lamberti)
Total		110	