



# ESACOTE® UA 8004

## Chemical description

Self-crosslinking acrylic-polyurethane dispersion

## Main use

ESACOTE® UA 8004 can be used as a binder for wood flooring suitable both for one and two components systems, where a high scratch and chemical resistance are desired.

## Product properties

<b>Appearance at 25 °C:</b>	opalescent liquid
<b>pH (at 25°C, ASTM E 70):</b>	7.0 - 9.0
<b>Viscosity (Brookfield RVT @ 25 °C, 50 rpm):</b>	< 300 cPs
<b>Solid content, %:</b>	34 - 36

## Typical values\*

<b>Solvent content, % :</b>	0%
<b>Density, @ 25°C g/ml:</b>	1.01 - 1.03
<b>Minimal film forming temperature, °C:</b>	~30°C
<b>Koenig hardness, sec:</b>	~94
<b>Film aspect:</b>	transparent, glossy not stiky

*\*These values provide general information and are not part of the product specification*

## Applications

ESACOTE® UA 8004 is a low VOC self-crosslinking waterborne dispersion of an acrylic-polyurethane.

ESACOTE® UA 8004 can be used as a binder for 1K or 2K wood flooring top coats, providing:

- High gloss and clarity
- Good hardness development
- Mechanical & chemical resistances
- Good balance of elasticity & hardness
- Excellent flow & levelling

ESACOTE® UA 8004 can be applied by spray, brush or roller; it's suitable for DIY, professional or OEM applications.

Starting point formulations are available through our sale representatives

[surfacetreatment.lamberti.com](http://surfacetreatment.lamberti.com)

## Storage and handling

The product must be stored between +5°C and +40°C. Keep away from frost and direct light. If stored under these conditions, ESACOTE® UA 8004 is stable for 12 months from the production date.

## Packaging

ESACOTE® UA 8004 is available in 120 kg drums or 1,000 kg intermediate bulk containers.

## Material safety

Please consult the safety data sheet before its use.

## Regulatory information

The TDS is not an official declaration of compliance and the official positioning has to be released separately and nominally to each customer by Regulated Industry office

## ESACOTE® UA 8004

### 1K TOP COAT WOOD FLOORING FORMULATION

Introduction order	Raw material	Quantity %	Function & Supplier
1	ESACOTE® UA 8004	86	Binder (Lamberti)
2	BUTIL CARBITOL	4	Coalescente (Alveg)
3	WATER	6	
4	BYK 333	0.3	Leveler agent(Byk)
5	BYK 346	0.25	Wetting agent(Byk)
6	MONOETILENGLICOL	3	Alveg
7	VISCOLAM® PS 202	0.3	Rheology modifier (Lamberti)
8	TEGO FOAMEX 822	0.05	Defoamer (Evonik)
9	LIMOCID 135 TR	0.1	Bactericida
<b>Total</b>		100	