

# Synthetic materials and coated fabrics

Performing, sustainable  
and versatile solutions  
for the manufacturing  
and finishing  
of synthetic articles





## Highlights

### Overall

**1,283**

Total number of employees worldwide

**199,916** tons

Quantity of finished products sold

**422** million €

Net group sales

**34**

Total number of operations

### Science

**431**

Number of active patents

**>90%**

Eco-friendly products

**17%**

Employees in R&D

**32.2%**

Products of natural origin  
(agro and personal care)

### Sustainability

**0.85** n° Ita\* / 1.000.000 work hours

Accidents - index of frequency

**57,258** tons CO<sub>2</sub>

Escopes 1 and 2 GHG emissions

**881** ML

Waterwithdrawal

**885,157** GJ

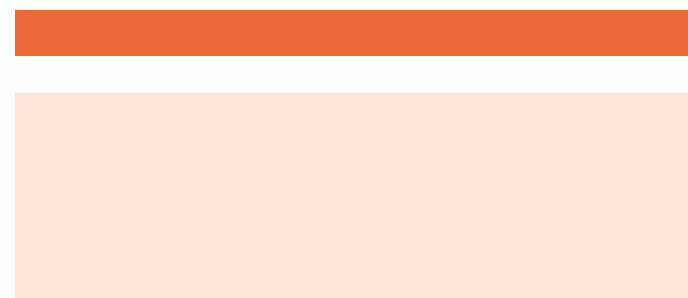
Energy consumption



# Lamberti for synthetic materials

*Our idea of chemistry: waterborne, low-VOC/solvent free and biobased*

Top coating



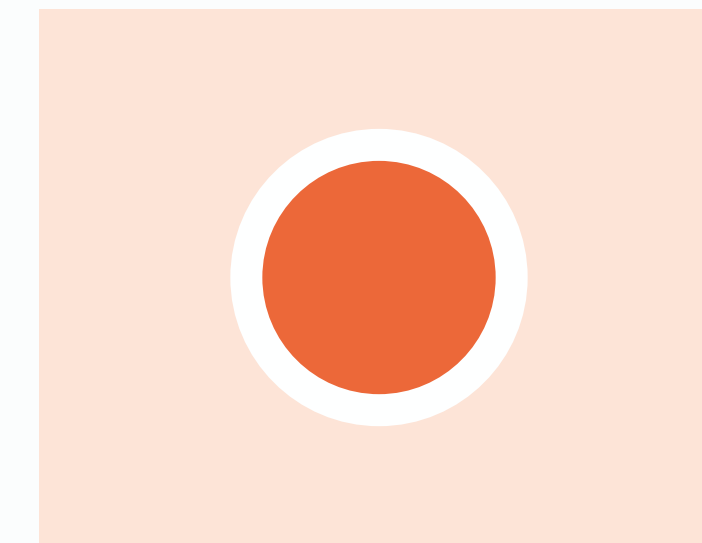
Foam coating



Transfer coating



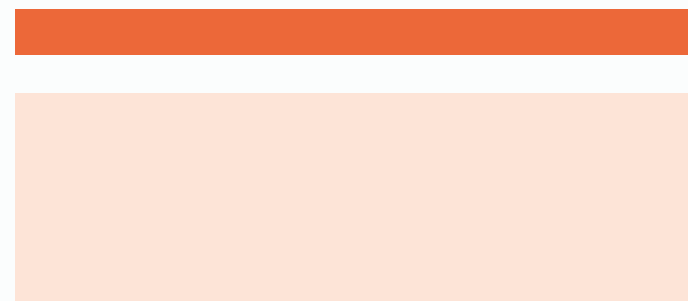
Water-based coagulation





# We have all the solutions

## *Top coating*



### **Esacote<sup>®</sup>**

**Overcoat & protective layers compounds.**

- 100 % waterborne, ready-to-use compounds, free of pyrrolidone derivatives:
- High flexibility
  - Chemical and mechanical resistance
  - Excellent adhesion on PU, PVC and TPO based substrates

### **Rolflex<sup>®</sup>**

**PUD binder for top layers and adhesion on critical substrates.**

- A wide range of PUD to increase specific properties and prepare customized compounds:
- Excellent chemical and mechanical fastness
  - Free of hazardous chemicals
  - High weathering resistance

### **Rolflex<sup>®</sup> OP**

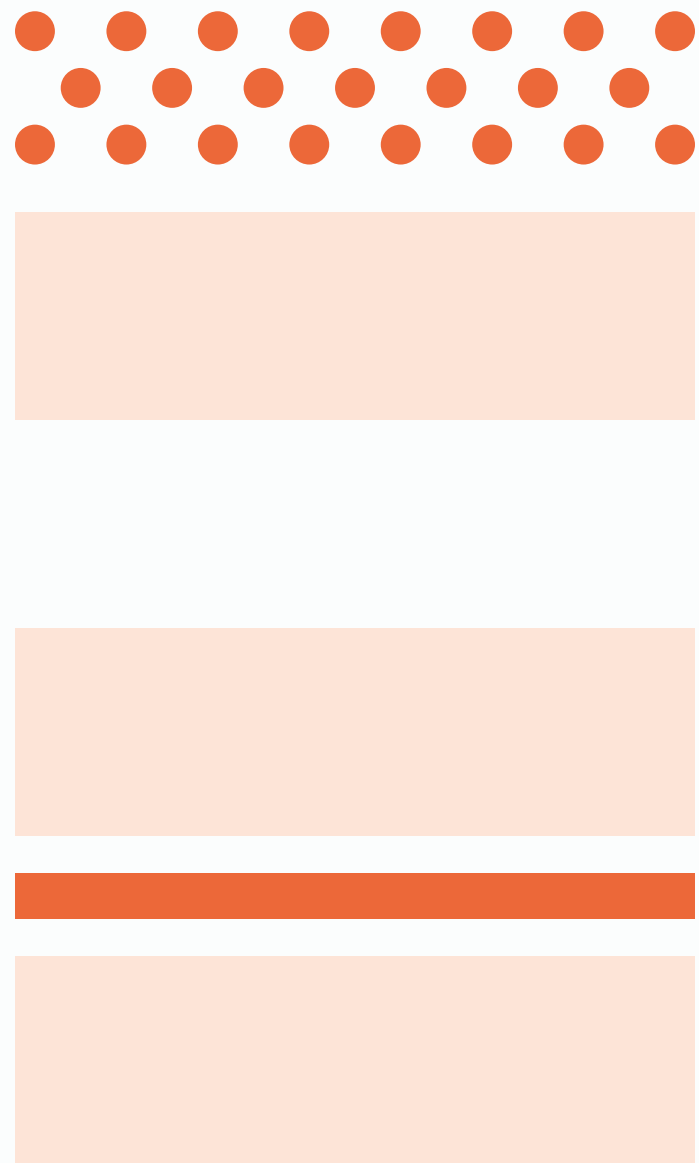
**Ultra low-gloss solutions.**

- Intrinsically matt polyurethane dispersions, free of silica or others matting agents:
- Good filming properties
  - Ultra-low gloss effect ( $GU \leq 1$  at  $60^\circ$ )
  - High stability and compatibility with binders and additives



# We have all the solutions

## *Foam and Transfer coating*



**PUD binder for foam coating and skin layers.**

Waterborne and solvent free binders with high solid content:

- High flexibility and hydrolysis resistance
- High compatibility with fillers and pigments
- High performing mechanical foams



**PUD binders for adhesive layers.**

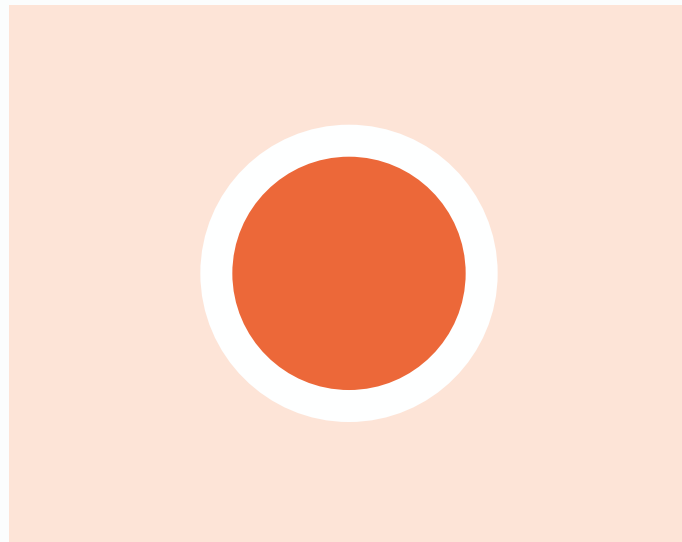
Waterborne and solvent free high performing adhesives:

- High softness and flexibility
- High breathability
- High adhesion strength and hydrolysis resistance



# We have all the solutions

## *Water-based coagulation*



PUD binders for coagulation bases.

Waterborne binders for waterbased coagulation (acid process)

- High softness and flexibility
- High coagulation efficiency
- High hydrolysis resistance





# Additives

## Decosphæra®

- Transparent
- High stability and compatibility
- Abrasion resistance improving
- Soft touch effect
- Reduced polishing
- Low whitening effect even after bally

## Viscolam®

**Rheology modifiers for high quality coating.**

Associative polyurethane thickeners with a wide range of thickening power and rheological properties

- Easy-to-handle
- Solvent and VOC free
- High compatibility with many families of waterbased binders

## Rolflex® BK&CX

**Enhanced performance.**

Crosslinking agents with different chemistries and ways of action

- Easy-to-handle
- Free of MEKO, DMP and pyrrolidone derivatives
- High stability and high efficiency



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 **Rolflex® Bio**

 **Decosphæra® Bio**

*Same performance,  
higher sustainability*

### **HIGH RENEWABLE CONTENT**

- From 45% to 70% Measured at product level
- From vegetal sources that are not in competition with food production
- Significant reduction in product carbon footprint

### **LONG LASTING PERFORMANCE**

- Superior hydrolysis resistance
- High elongations and mechanical performance
- High chemical resistance

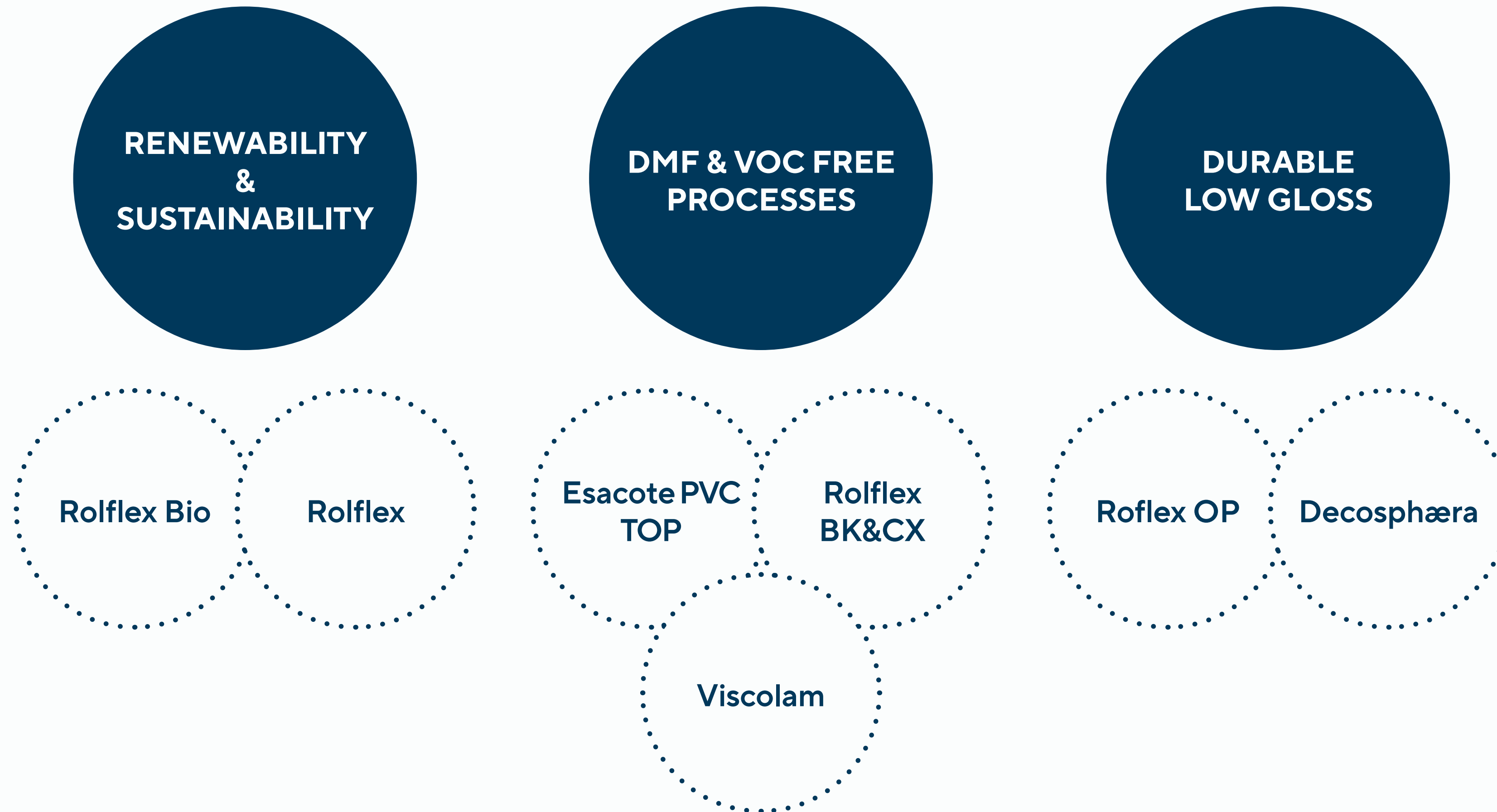
### **EASY TO BE USED**

- Very easy to be formulated with standard fossil derivatives polymers
- Quality controlled and ZDHC level 3 approved





# Market Trends







[lamberti.com](https://lamberti.com)

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

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