

Lamberti Surface Treatments

One stop shop performance
solution provider
for water-borne paints



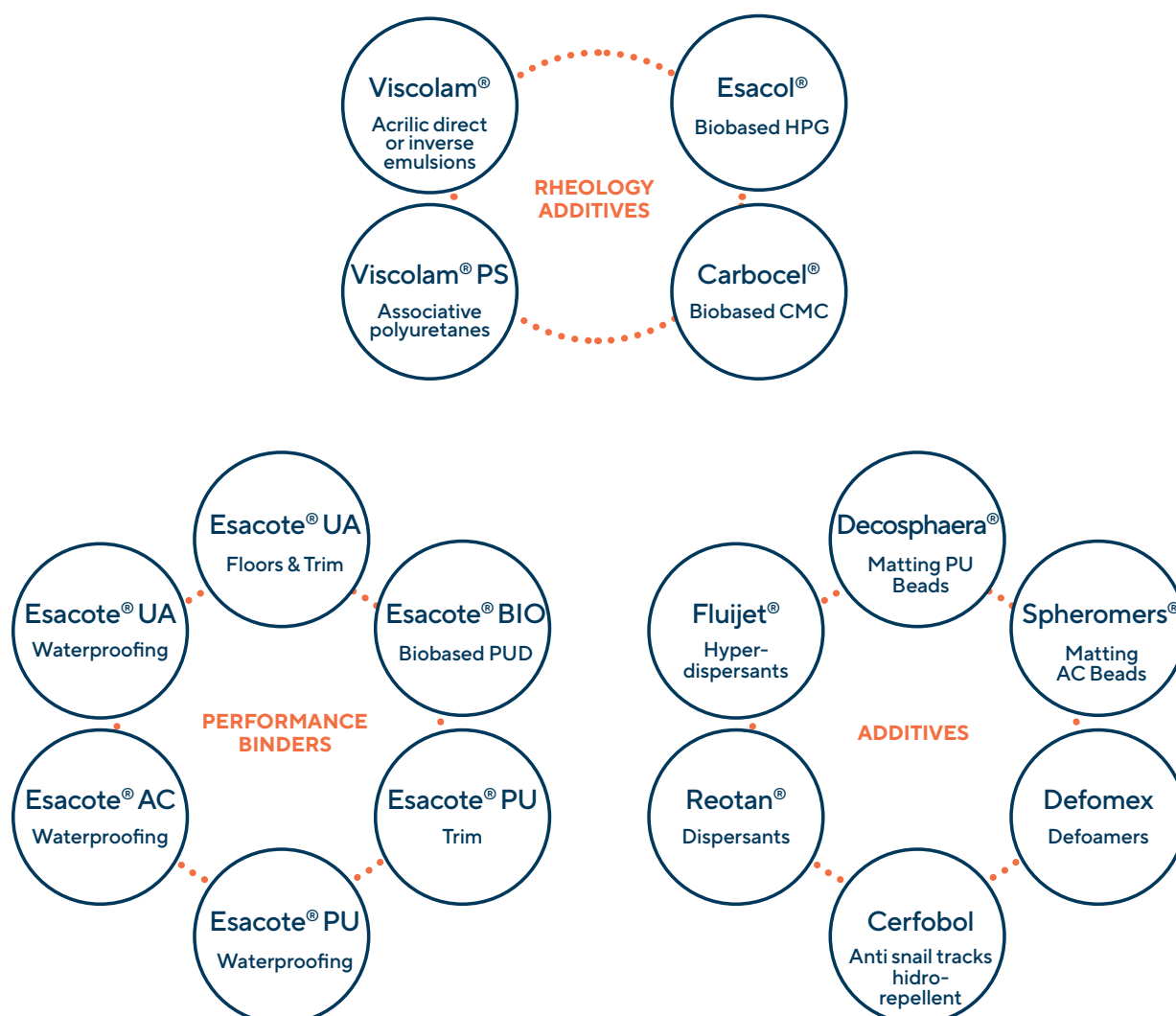
Lamberti

Performance solutions for water-borne paints

Active across various application fields with proprietary technologies and functional products, Lamberti operates globally through its sales teams, networks, research and development centers, and industrial facilities based on cross-cutting technologies. Our technological platforms cover different chemistries, from Natural to Synthetic Polymers, Oleochemistry and Polymeric Beads.

Our products enable paint manufacturer to become more and more sustainable by using more renewable ingredients and reducing volatile compounds.

While continuously improving sustainability, we always focus to lower the cost-to-performance ratio, that is a crucial factor in the highly competitive paint sector.



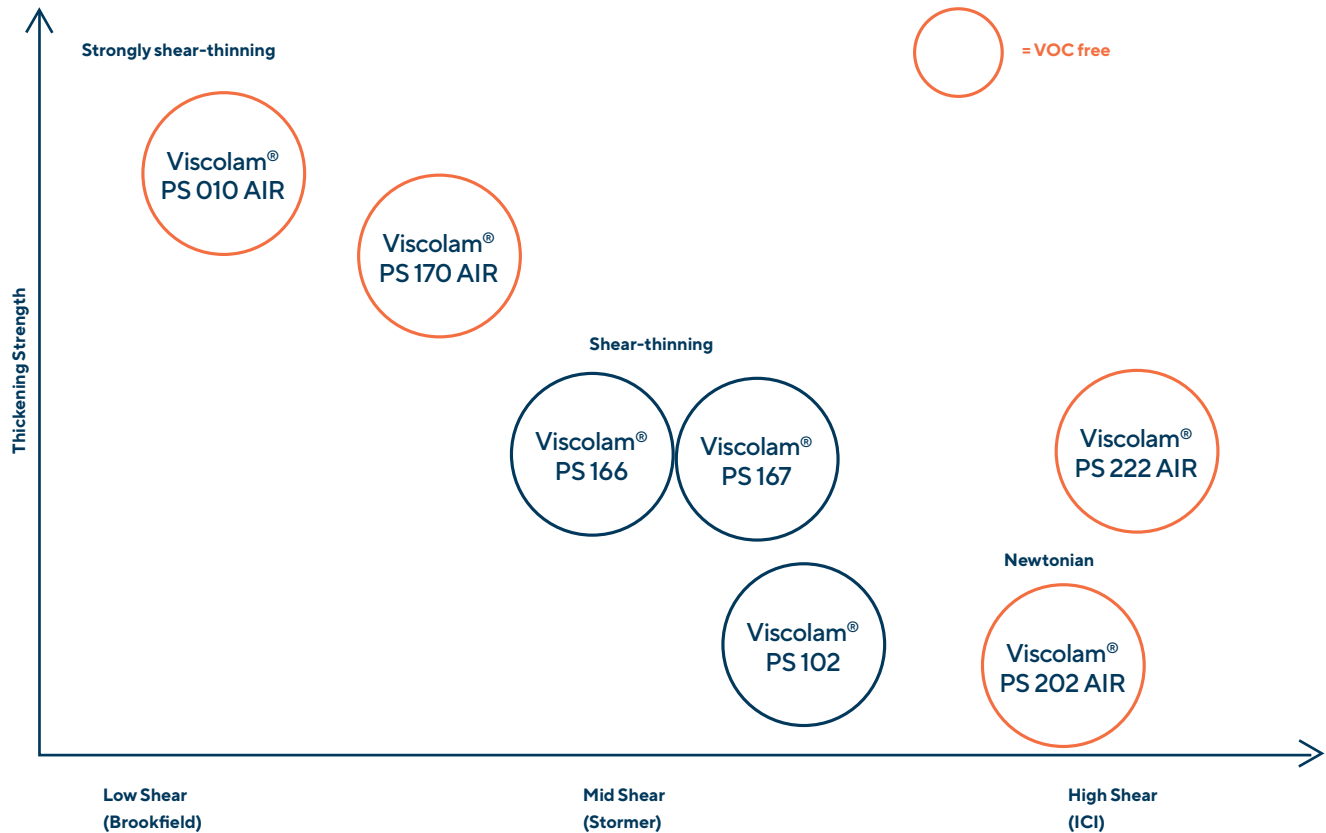
Rheology is key to waterborne coatings.

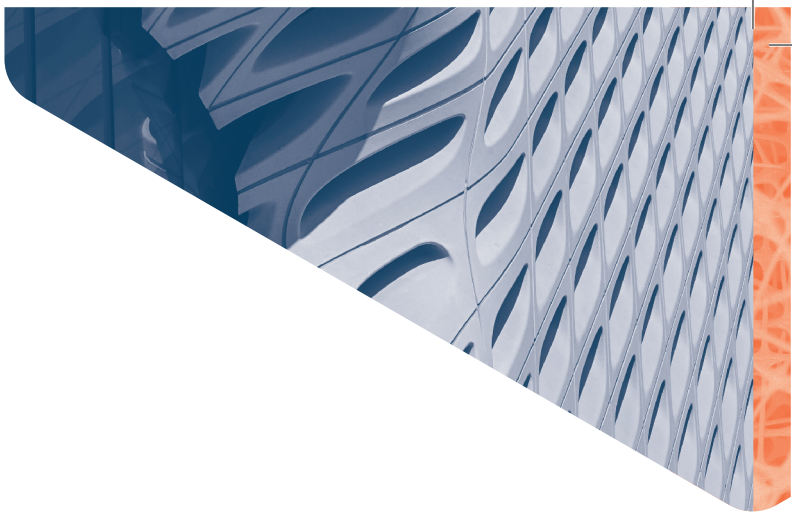
At Lamberti, we offer a comprehensive range of rheological modifiers for the paint industry, including synthetic Viscolam[®], based on acrylic and polyurethane polymers, as well as natural thickeners: Carbocel[®] cellulose derivatives (carboxymethyl cellulose - CMC) and Esacol[®] (hydroxypropyl guar derivatives - HPG), which combine sustainability with high performance, making them an ideal replacement for HEC.

Each chemistry provides distinct and unique application properties, making the selection of the right rheology modifier crucial, as it directly impacts the key performance of the coating. For example, glossy formulations hold a significant market share in India. These products must provide high gloss, a smooth finish, and excellent water resistance. Our Viscolam PS range of polyurethane thickeners, is the ideal choice when these characteristics are desired.

Viscolam[®] PS

Polyurethane-based water-borne thickeners toolbox



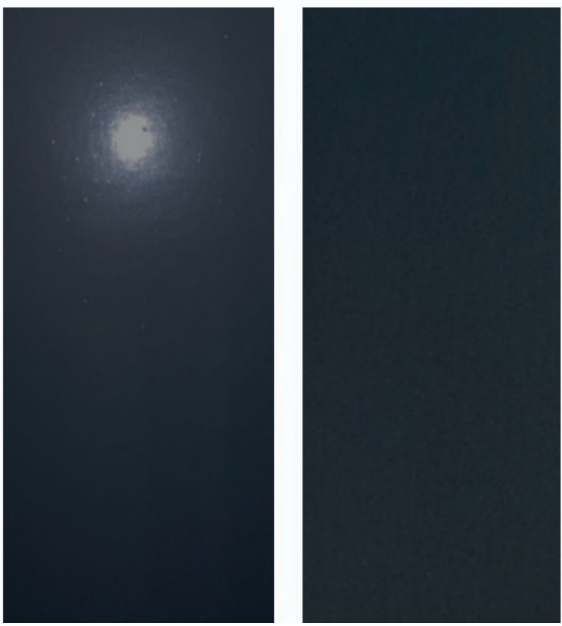


Matting Efficiency and Burnishing Resistance

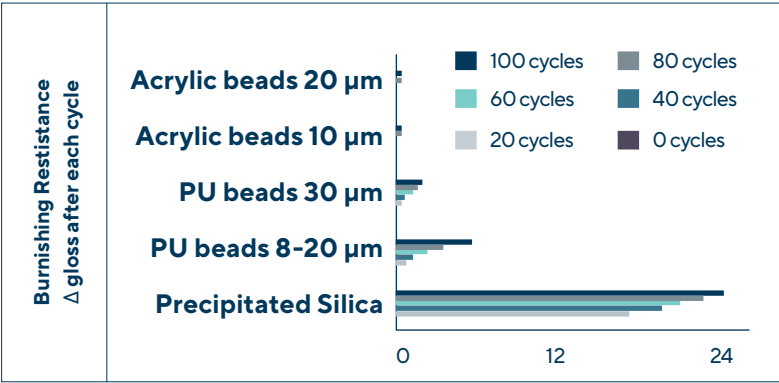
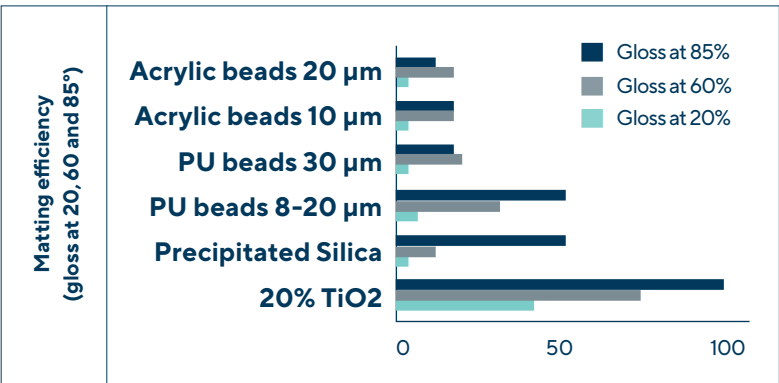
There is a growing demand of matte coatings worldwide, as the natural appearance they provide is increasingly appreciated. Matting agents are commonly used to reduce gloss, and meet the aesthetic needs of the market. However, the most widespread matting agents, compromise the mechanical performance of the coating, reducing its scratch and burnishing resistance.

Our polymer beads represent a novel solution to meet both the tactile and aesthetic requirements, while offering high scratch and burnishing resistance. Decosphaera® and Spheromers® polymer beads deliver superior scratch and burnishing resistance, while providing unmatched deep matte appearance with various haptic effects.

Spheromers® CA20



Comparison between two enamel paints (PVC 16):
 Left: reference with no matting agent
 Right: same formulation with Spheromers® CA20





Matting agent for Decorative effects

In addition to their superior matting performance, our Decosphaera® polyurethane microbeads can be used to create unique decorative effects. Decosphaera® White can be blended into traditional waterborne paints to create different outstanding decorative effect: changing the color and application method, a multitude of creative possibilities can be explored.

Decosphaera® White 50-250

PRIMER

Apply a white paint/primer to hide surface imperfections and to provide a suitable homogeneous neutral background.

1st COAT

Apply the coloured paint containing Decosphaera White 20-250: to emphasize the contrast between white beads and desired color, use a rough primer, which acting as clinging point for the coarser particles, creates local agglomerations of white beads.

2nd COAT

Apply a second coat to improve the appearance and hiding power of the coated surface. Use a suitable application tool (e.g. brush, spatula etc.) according to the desired final effect



Decorative paint examples

The Lamberti Group

Explore, Design, Provide, Evolve.

We design and produce customized chemical solutions for different industries: not simply products or formulations, but sets of skills, capabilities, visions, developed with dedication and attention to our customers. Our science is made of experience, technology, and precision, for tailoring and delivering high performing solutions to our customers. Our ability to fit any market evolution demonstrates our capacity to be creative and innovative.

The history of our company is continually written by people's living stories.

Since 1911, our experience stems from over a century of history. From the initial affiliation

to the textile industry, we have learned the value of being part of structured eco-systems. Over time, we have invested in industrial plants and laboratories to cover all geographies. We have fostered a network of relationships, a rich wellspring of experience that gives value to our people.

We want to do better, creating a positive legacy for the future of the planet and living species.

Sustainability became a crucial challenge for Lamberti that we addressed with the subscription to international programs (RSPO and Ecovadis) as well as with the voluntary publication of the Group's Sustainability Report (2020).

Our technologies per market

	Cellulosics	Hydrocolloids	Acrylics	Waterbased polyurethanes	Polymeric matting agents	Oleochemicals
Agriculture	•	•	•			•
Personal Care		•	•		•	•
Energy Solutions	•	•	•			•
Ceramics and Glassware	•		•	•		•
Surfactants						•
Textile Finishing and Printing	•	•	•	•	•	•
Leather	•	•	•	•	•	•
Natural Polymers	•	•				•
Surface Treatment	•	•	•	•	•	•



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