

Supermatt: the new frontier of ultra-matt surfaces

On the occasion of Open House 2026, SCM presents one of the most anticipated innovations in the finishing world: **Supermatt**, the new technology developed by Superfici to achieve ultra-matt, high-performance surfaces without the use of nitrogen.

The matt effect is a growing trend in contemporary design, spanning from furniture and interiors to flooring. Today, there is an increasing demand for low-reflectance finishes that offer a silky tactile feel while ensuring high mechanical resistance. This combination has traditionally been difficult to achieve, often requiring compromises between aesthetic quality, performance, and operating costs. With Supermatt, this balance is finally within reach.

Excimer treatment made simple

Excimer treatment required nitrogen-inerted chambers to prevent oxygen inhibition during surface polymerization. This resulted in high operating costs and logistical burdens in terms of equipment, maintenance, monitoring, and safety. These factors have limited the adoption of this technology, especially in production environments that demand flexibility and efficiency.

The true innovation of Supermatt lies right here: **achieving the same result without using nitrogen**.

Maximum result, minimum complexity

Through a dedicated UV treatment, Superfici's new physical matting system modifies the coating surface structure at a microscopic level, creating a controlled micro-texture during polymerization.

The process consists of three phases:

1. **Pre-heating** of the panel with IR (infrared) irradiation (pre-treatment).
2. **Activation of the Supermatt effect**, which creates a micro-texture capable of diffusing light extremely effectively, producing an ultra-matt and soft-touch effect.
3. **Final UV polymerization** with gallium and mercury lamps.

The result is a surface with ultra-low reflectance, aesthetically uniform and deep, pleasant to the touch (soft silky touch), and with durability and scratch resistance superior to traditional UV systems.

More efficiency, lower costs

By eliminating nitrogen, Supermatt introduces concrete advantages:

- **Zero costs** for gas and inerting equipment.
- **Reduction** in consumption and operating costs.
- **Immediate system startup**.
- **Easier integration** into existing lines.
- **Elimination** of complex management and safety systems.

Supermatt represents more than just a technical improvement; it is a paradigm shift in industrial finishing. It makes ultra-matt surfaces easier to manage, more competitive, and more integrable into modern production flows. With this innovation, SCM and Superfici open new application perspectives for manufacturers who want to stand out through high-value aesthetic and functional surfaces, using a more rational and future-oriented industrial approach.

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