



Surface effect additives for high performance coatings and paints

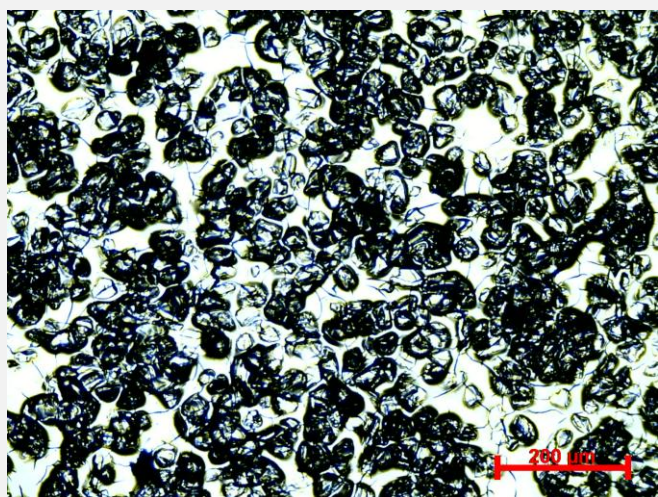
Finmatt & Finmatex



FINMA

Inorganic silica

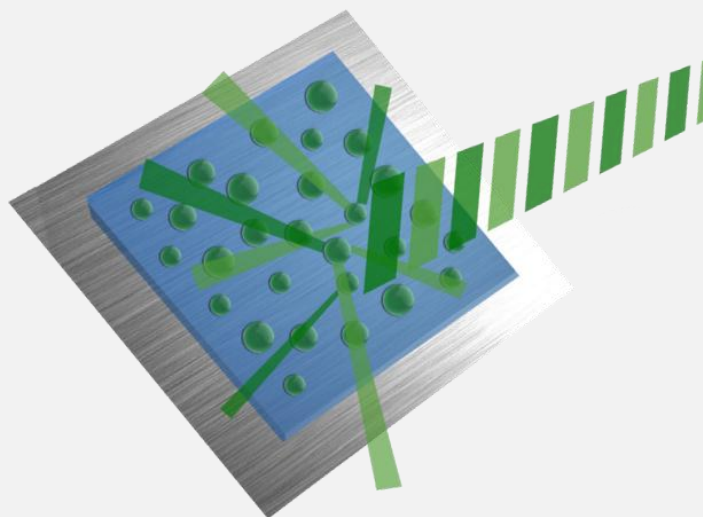
Inorganic silica matting agents have been used since the 1950s–1960s in paints, coatings, and varnishes to reduce gloss and create ultra matte to satin finishes. They work by having fine particles that protrude slightly from the coating surface after curing, creating microscopic roughness that scatters incoming light.



Advantages include high matting efficiency due to the high inner porosity, broad compatibility with different systems, stable gloss control, and potential improvements in scratch resistance. Disadvantages can include increased viscosity, haze or whitening if overdosed, lacking chemical resistance of the finished coating and a higher sensitivity to polishing and wear.

Organic matting agents

Spherical matting agents like high performance waxes and polymeric beads became more common as matting agents since the 1990s–2000s, mainly in high-end coatings where smooth feel and high transparency are important. They also work through particles that create a uniform micro-texture on the cured surface, scattering light without causing too much haze.



Compared to silica, they offer minimal viscosity impact, a higher resistance against polishing and wear and can be produced in a wider range of particle sizes and material hardnesses. However, they have lower matting efficiency, are less suited for deep matte finishes and are generally more expensive.

The **Finmatt** and **Finmatex** product ranges unite the best of both matting worlds—inorganic and organic additives—into tailor-made powder blends designed for optimal gloss control, surface feel, and clarity.

They also answer one key question: *What performance can we add to the pure matting effect?* Each formulation is customized to deliver extra value, whether through improved polishing resistance, better slip control, or enhanced durability, giving formulators a ready-to-use solution that saves time, simplifies processing, and elevates coatings to the next level.

Product series overview

Finmatt series

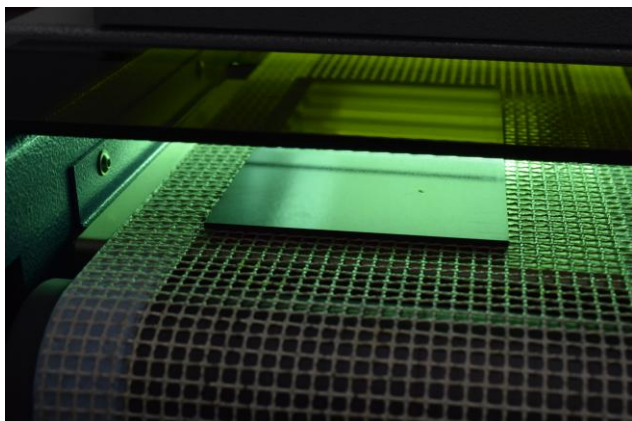
Our dedicated product series for **hard matting agents** that deliver **high matting efficiency** in coatings while maintaining **smooth**, refined surfaces. Designed for more than just gloss reduction, Finmatt grades provide enhanced **polishing resistance, wear resistance, and marking resistance**, ensuring long-lasting performance.

The series also includes specialized grades designed to best maintain the coatings chemical resistance, making Finmatt the ideal choice for demanding applications where durability and surface quality go hand in hand.



Finmatt-UV series

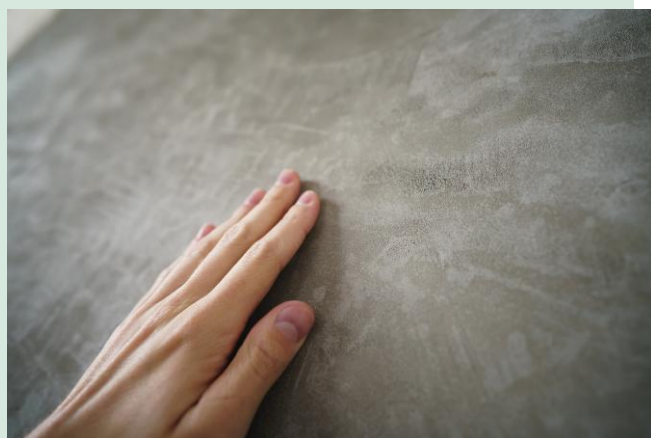
UV coatings—especially **100% UV systems**—are notoriously difficult to matt, often requiring high additive loads that raise viscosity and compromise application. The **Finmatt UV** product range solves this challenge with **low-viscosity-impact, high-efficiency matting agents** that deliver the desired gloss reduction without sacrificing flow, clarity, or handling.



Finmatex series

Finmatex is our product series dedicated to **haptic effects** and **slip control**, bringing unique surface sensations to coatings. From texturing agents that create distinctive finishes—even in film thicknesses over 100 μm —to specialty effects like **paper touch** or **stone touch**, Finmatex transforms surfaces into tactile experiences.

The range also includes **soft additives** that enhance the soft-touch feel of flexible binders and deliver precise slip control, allowing formulators to craft coatings that look as good as they feel.



Finmatt - Efficient matting agents for smooth and highly durable surfaces

The Finmatt series offers a versatile selection of small to medium particle sizes, perfectly matched to different dry film thicknesses. Each grade is designed to deliver the ideal balance of matting power and surface durability, with performance focus varying by product—so you can choose between maximum matting effect or enhanced resistance properties based on your needs. Even at higher dosages (7–10%), marking, polishing, and abrasion resistance remain uncompromised, ensuring long-lasting performance. Plus, the impact on chemical resistance—against alcohol, coffee, hand creams, and more—stays low, making Finmatt the smart choice for durable, high-quality matte finishes.

Test were carried out in a glossy, waterborne PU parquet coating at 7% incorporation amount and 25 µm dry film thickness. Brookfield viscosimeter measurements with spindle SC4-29, base viscosity without additives 100 mPas.

Finmatt – for highest matting efficiency

	particle size D50 [µm]	gloss level 60°	gloss level 85°	transparency [%]	viscosity at 10 RPM [mPas]
Finmatt 5	5	5	15	15	1760
Finmatt 8	7,5	5	6	16	1860

Finmatt – for improved surface resistance (**R**) and highest surface resistance (**XR**)

These Finmatt grades deliver enhanced mechanical and chemical resistance, reduced surface porosity, and improved transparency, while maintaining a balanced matting effect.

	particle size D50 [µm]	gloss level 60°	gloss level 85°	transparency [%]	viscosity at 10 RPM [mPas]
Finmatt 5 R	5	7	15	21	1690
Finmatt 8 R	8	8	6	24	1340
Finmatt 4 XR	4	15	12	42	308
Finmatt 8 XR	8	14	6	38	397

Finmatt – soft additives (**S**) for flexible coatings and soft haptics

Finmatt grades with lower material hardness, providing not only a well-balanced matting effect but also adding to the soft-touch feel and flexibility of various soft coating surfaces. These grades are ideal for applications where pleasant haptics and adaptability to flexible substrates are just as important as achieving the matte finish.

	particle size D50 [µm]	gloss level 60°	gloss level 85°	transparency [%]	viscosity at 10 RPM [mPas]
Finmatt 8 S	8	7	10	19	238
Finmatt 9 S	9	14	6	39	1090

Finmatt UV – High efficiency matting in 100% UV-systems

Our Finmatt UV products are specially developed for a tough challenge in coating technology: achieving a perfect matte finish in UV systems, especially the hard-to-matt 100% UV formulations. With their high matting efficiency and minimal impact on viscosity, these additives make it easy to create smooth, consistent matte surfaces without compromising flow, transparency, or application performance – setting a new standard for UV matte coatings.

Test were carried out in a glossy, 100%-UV furniture coating at 12% incorporation Air-mix spray application at 10 µm film thickness. Brookfield viscosimeter measurements with spindle SC4-29, base viscosity without additives 100 mPas.

Finmatt UV – hard additives for smooth surfaces with improved surface resistance (**R**) and highest surface resistance (**XR**), Eco-grades (**E**) with biobased content >50%

	Particle size D50 [µm]	Particle size D90 [µm]	gloss level 60°	gloss level 85°	viscosity at 25 RPM [mPas]
Finmatt UV 6 RE	6	14,5	12	11	551
Finmatt UV 8 R	8	15	10	7	180
Finmatt UV 8 XR	8	15	8	14	311
Finmatt UV 9 E	8,5	20	11	12	233
Finmatt UV 9 RE	9	22	18	30	195

Finmatt UV – soft additives (**S**) for slip control and a pleasant soft-touch

	Particle size D50 [µm]	Particle size D90 [µm]	gloss level 60°	gloss level 85°	viscosity at 25 RPM [mPas]
Finmatt UV 10 XRS	9,5	33	7	9	330

Finmatt S – polymer surface-treated silica. Highest matting efficiency at lowest viscosity impact. For ultra-matt UV-coatings.

	Particle size D50 [µm]	Particle size D90 [µm]	gloss level 60°	gloss level 85°	viscosity at 25 RPM [mPas]
Finmatt S-H6	6,5	11	4	4	248
Finmatt S-H8	8	13	4	4	244
Finmatt S-H11	10,1	18	4	4	236

Finmatex – surface performance you can feel

Finmatex is our solution for haptic surface design with added performance. These additives not only enhance the matting effect but also deliver exceptional mechanical and chemical resistance. Available in different hardness levels, Finmatex lets you create unique textures: hard materials provide effects like paper-touch or stone-touch, while softer grades offer velvety finishes, soft-touch sensations, and precise slip control—turning every surface into an experience. Besides water- and solvent based applications, our Finmatex product line is well suited for 100% UV applications.

Test were carried out in a glossy, waterborne Acrylic-PU parquet coating at 7% incorporation amount and 40 µm dry film thickness. Brookfield viscosimeter measurements with spindle SC4-29, base viscosity without additives 25 mPas.

Finmatex – hard texturing agents for haptic effects. Available is various particle sizes to perfectly adjust to the film thickness and desired texture.

	particle size D50 [µm]	gloss level 60°	gloss level 85°	transparency [%]	viscosity at 25 RPM [mPas]
Finmatex 15 XR	15	15	4	36	206
Finmatex 18 XR	18	15	2	32	221
Finmatex 30 XR	30	16	2	38	206
Finmatex 37 XR	37	17	2	34	210

(test were carried out in a waterborne Acrylic-PU plastic part coating at 7% incorporation amount and 25 µm dry film thickness)

Finmatex – soft additives (**S**) and extra soft additives (**XS**)
Eco-grades (**E**) with biobased content >50%

Finmatex grades with lower material hardness, providing not only a well-balanced matting effect but also adding to the soft-touch feel and flexibility of various soft coating surfaces. These grades are ideal for applications where pleasant haptics and adaptability to flexible substrates are just as important as achieving the matte finish.

	particle size D50 [µm]	gloss level 60°	gloss level 85°	transparency [%]	viscosity at 25 RPM [mPas]
Finmatex 8 RXS	8	16	11	42	210
Finmatex 11 SE	11	13	6	37	413
Finmatex 12 SE	12	13	8	37	405
Finmatex 16 RXS	16	16	6	44	210
Finmatex 27 RXS	27	17	4	44	187

(test were carried out in a waterborne Acrylic-PU parquet coating at 7% incorporation amount and 25 µm dry film thickness)



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This brochure is intended to provide technical advice; it is non-binding, does not constitute a specification and does not claim to be exhaustive.

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