

## COIL COATINGS

# ACEMATT® matting agents for Coil Coatings

Gloss adjustment & Surface roughness control



**ACEMATT® matting agents are high-performance silica developed for gloss reduction in almost every application in the paints and coatings industry.**

The ACEMATT® portfolio offers a variety of products differing in morphology, particle size, and surface treatment. The following are a few best-in-class recommendations for matting agents in coil coating and industrial applications.

### ACEMATT® for coil coatings

- ACEMATT® matting agents are perfectly suited for various industrial applications including exterior construction like profiled roof, interior aluminum panels for ceilings, and blinds in windows shading
- They lead to excellent uniform matting with low sheen (85°-reflectometer value – 60°-reflectometer value)
- They provide the best matting efficiency and are easy to process

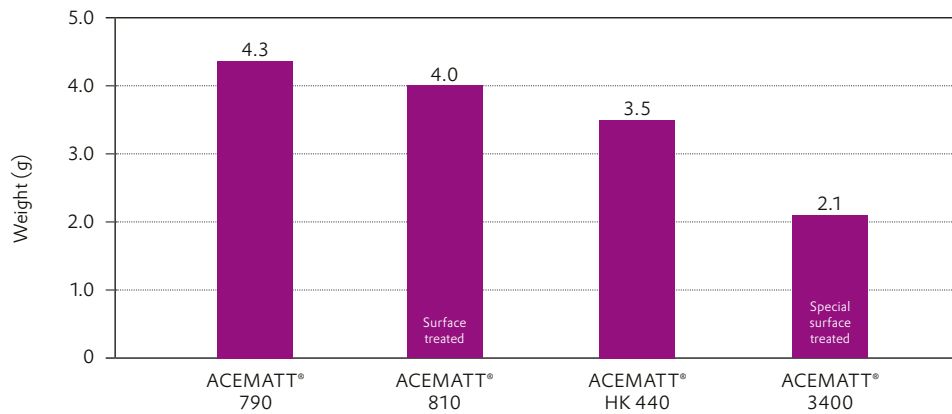
ACEMATT® MATTING AGENT	d <sub>50</sub> PARTICLE SIZE (µm)	SILICA TYPE	DESCRIPTION
<b>ACEMATT® 790</b>	7.0	Untreated, medium-grained precipitated silica	Highly efficient matting agent especially suitable for pigmented systems where semi-gloss and low-gloss is required.
<b>ACEMATT® 810</b>	10.5	Untreated, coarse-grained precipitated silica	Provide excellent performance with high matting efficiency for general applications with a certain surface roughness. Low sheen.
<b>ACEMATT® HK 440</b>	14.5	Untreated, very coarse-grained precipitated silica	Extremely coarse particle size. Especially recommended for base coats, thick-film applications, and general industrial coatings. Very low sheen.
<b>ACEMATT® 3400</b>	7.0	Special surface treated, medium-grained thermal silica	Especially recommended for PU systems. No adsorption of catalysts. Much more efficient compared to organic matting agents.



[Click here for more information!](#)

## Matting efficiency in Coil Coating

Gloss level 20 GU (60°)



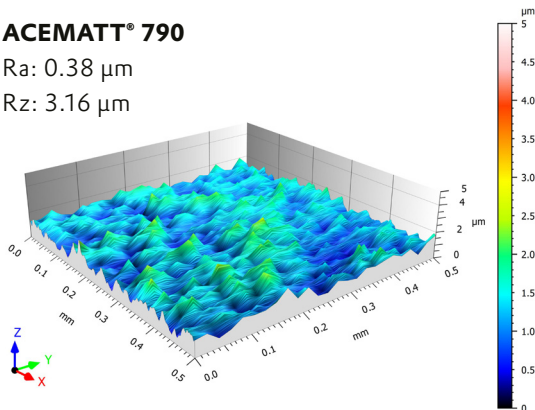
$d_{50}$ ( $\mu\text{m}$ )	7.0	10.5	14.5	7.0
Ra ( $\mu\text{m}$ )	0.38	0.47	0.70	0.33
Rz ( $\mu\text{m}$ )	3.16	3.86	5.89	2.60
Grindometer ( $\mu\text{m}$ )	24.0	31.0	42.0	29.0

## Surface topography – Differences in roughness

### ACEMATT® 790

Ra: 0.38  $\mu\text{m}$

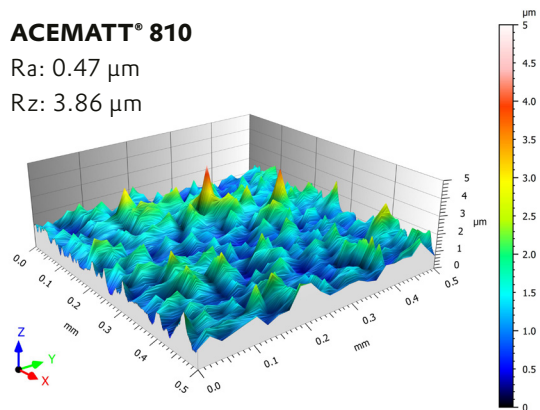
Rz: 3.16  $\mu\text{m}$



### ACEMATT® 810

Ra: 0.47  $\mu\text{m}$

Rz: 3.86  $\mu\text{m}$



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