

# Silica Product Portfolio

THE BEST CHOICES FOR YOUR PRINTING INK

ACEMATT®  
AEROSIL®  
SIPERNAT®



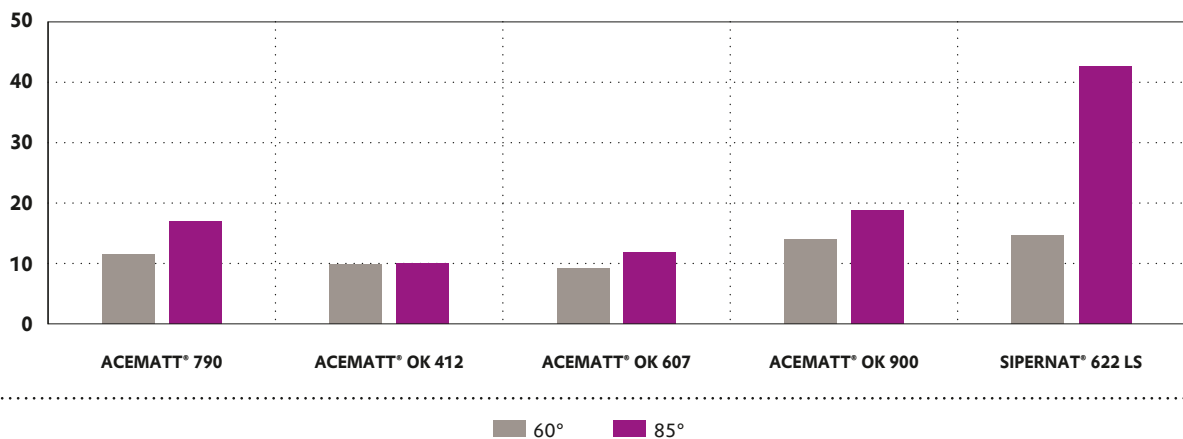
## ACEMATT® MATTING AGENTS - EASILY ACHIEVE DESIRED SURFACE APPEARANCES

- ACEMATT® grades should not be milled and can be added to OPV formulations in the later step of production.
- Evonik provides an extensive product portfolio for any kind of Printing Inks application.
- All-purpose grades with lowest sheen value are available.
- ACEMATT® products show the best performance in efficiency, effect on viscosity and transparency.



## PRINTING INKS (SOLVENT BASED)\*

Gloss at 60° / 85°



\*5wt % Silica on total, 6 micron wet application

## PRINTING INKS

APPLICATION	ACEMATT®								SIPERNAT®
	HK 400	790	3600	OK 412	OK 607	OK 900	TS 100	3300	622 LS
Relief Flexo (OPV*)	●	●	●	●	●	●	○		●
Gravure (OPV*)	●	●	●	●	●	●	○		●
Off-set (OPV*)			●	●	●				
Silk / Screen Printing			●	●			●	●	

● Very suitable ○ Suitable | OPV\* Overprint-Varnishes

### AEROSIL® FUMED SILICA - ADJUST VISCOSITY AND PROVIDE SUPERIOR STABILITY WITHOUT ANY INFLUENCE ON TRANSPARENCY

Standard grades like AEROSIL® 200 and AEROSIL® R 972 have been successfully used in printing inks application for many years. Small amounts are sufficient to improve stability, and avoid settling while maintaining transparency.



### SIPERNAT® SPECIALTY SILICA

SIPERNAT® Specialty Silica are suitable for applications in many different printing inks such as water and solvent-based gravure and flexo printing inks, offset printing inks and screen printing inks. Depending on the field of application and the requirements, SIPERNAT® 820 A and SIPERNAT® 320 DS can be used as an extender controlling

the flow or improving drying and setting properties of the printing inks and overprint varnishes. SIPERNAT® 820 A shows especially excellent properties when misting of inks has to be improved. As a functional filler SIPERNAT® 820 A can increase opacity and whiteness in white colour inks.

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