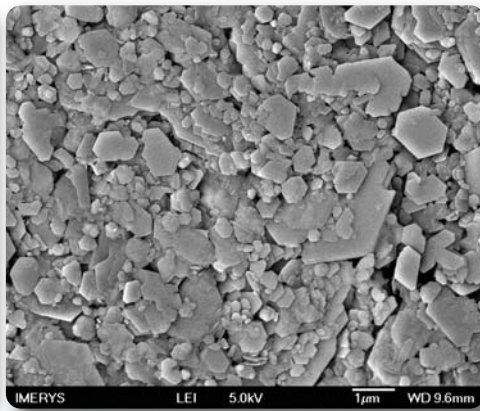


Capim™ SP

Capim™ SP is a fine, delaminated, grade from Imerys Rio Capim Caulim (IRCC). Its principal benefits are excellent gloss and coverage in lightweight single coating applications and superior rotogravure printability to any other fine engineered grade. Its strongest fit is in ULWC and rotogravure applications, but it also has commercial application in matt woodfree where its higher shape helps print gloss development.

Pigment	Capim™ SP
ISO Brightness	89
wt% <2µm	90
wt% <0.25µm	18
D ₅₀ µm	0.62
Shape Factor	25
Viscosity Concentration wt%	72
Applications	LWC/OS/Roto
Launched	2003



Capim™ SP in Ultra Lightweight Coating

This example is taken from a European ULWC pilot trial in which Capim™ SP is compared with Capim™ DG in a clay only recipe. Data is for 6 gsm/side coating and results for both sides of the paper are shown. In this case the coverage benefits of Capim™ SP are clear. Sheet gloss is higher, PPS is lower and the paper is less two sided. Strike-through was also much reduced. Similar coverage and gloss benefits have also been seen in blade coated LWC applications.

Sample	Gloss	PPS 1000 KPA	Bulk	Print Gloss
Capim™ SP	63.0	1.21	1.00	68
	63.4	1.15	1.00	69
Capim™ DG	58.5	1.45	0.98	66
	60.1	1.34	0.98	68

⊕ PCC

⊕ GCC

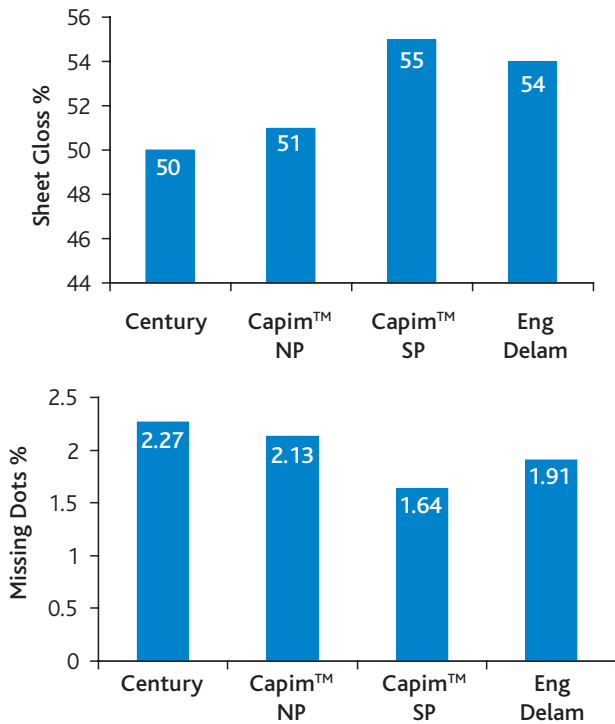
⊕ KAOLIN

Capim™ SP for Rotogravure

A key strength of **Capim™ SP** is in mills which make both offset and roto. The combination of fineness and shape gives good coverage and gloss, needed for offset, while also giving good smoothness/bulk needed for low missing dots in rotogravure.

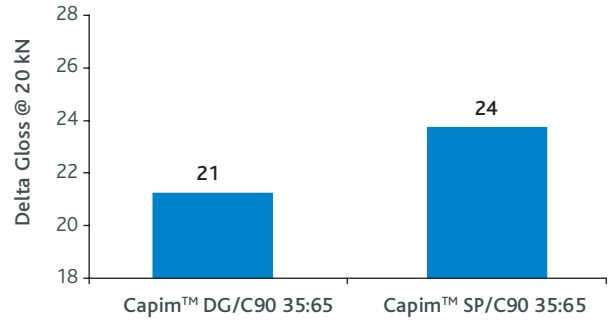
This case study shows performance in pilot coating studies based on a Northern European rotogravure formulation with clay and talc. Coating speed was 1700 m/min.

Capim™ SP clearly delivered higher sheet gloss together with lower missing dots than other engineered Brazilian clays, or an engineered delaminated clay from North America.



Capim SP for Matt Woodfree

Capim™ SP gives good smoothness, bulk and delta gloss in matt applications. In the example shown **Capim™ SP** outperformed **Capim™ DG** in delta-gloss and print gloss while matching all other paper characteristics.



Summary - Capim™ SP

Target Segment/ Application	Key Attributes
ULWC/LWC	Brightness, coverage and gloss rheology strikethrough
LWC Roto	Gloss and printability (Low missing dots)
Matt woodfree	Brightness, coverage, PPS and print gloss