

Supporting Information

Properties of nanocelluloses and their application as rheology modifier in paper coating

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Table S1 Coating color formulations ^a

Component	Control	SCN0.05	SCN0.1	SCN0.2	SCN0.4	TCN0.05	TCN0.1	TCN0.2	TCN0.4	FCN0.05	FCN0.1	FCN0.2	FCN0.4
GCC	30	30	30	30	30	30	30	30	30	30	30	30	30
KC	70	70	70	70	70	70	70	70	70	70	70	70	70
Starch	6	6	6	6	6	6	6	6	6	6	6	6	6
CMC	0.4	0	0	0	0	0	0	0	0	0	0	0	0
SCN	0	0.05	0.1	0.2	0.4	0	0	0	0	0	0	0	0
TCN	0	0	0	0	0	0.05	0.1	0.2	0.4	0	0	0	0
FCN	0	0	0	0	0	0	0	0	00	0.05	0.1	0.2	0.4

^a Component amounts are given in parts per hundred (pph, by weight) based on 100 parts by weight of pigment; Solids content (including pigments and starch) of the coating colors were 50% by dry weight.

Table S2 Comparison on the viscosity of coating colors at the given shear rates

Coating colors	Control	SCN0.1	TCN0.1	FCN0.1
Viscosity (Pa·s) at shear rate of 0.3 s ⁻¹	200	2510	1070	476
Viscosity (Pa·s) at shear rate of 1.0 s ⁻¹	74	825	452	177