

Functional Coating Agent for Building Materials

Application

- Coating agent for surface protecting of thin paper sheets for building materials (general paper, reinforced paper, impregnated paper), and for imparting designability to thin paper sheets
- Coating agent for surface protecting of films for building materials (olefin, PET, PVC, etc.) and for imparting designability to films

Characteristics

- A top coating agent for building materials, available for gravure printing machine.
- An abundant products lineup according to various substrates (i.e. papers and films) and physical property requirements.

Representative Products

Product name	Substrate	Characteristics
U-45	Thin paper	For general purpose
Power	Thin paper	Scratch-resistance
FRS	Thin paper	Abrasion-resistance
For recoating	Thin paper	Re-coatability
RUB203	Thin paper	Soft feel
U-273	Film	For general purpose
F Power	Film	Scratch-resistance
6083NK	Film	High adhesion
RUB273	Film	Soft feel
ANV additive	—	Antiviral properties

We can offer matte and gloss types respectively for controlling the gloss.

Evaluation Results

■ Examples of physical property test

(Substance: 30g reinforced paper, our matting agent: coating amount of 6g/m² on a dry basis)

Test items	Conditions	Criteria	Result
Gloss	Gloss meter	60° gloss value	2.7
Steel wool-resistance	Load 100g /cm ² 3 reciprocating rotation	Not scratched	○
	Load 100g/cm ² 10 reciprocating rotation	Not scratched	○—
Cellophane tape-resistance	Stuck on at 50°C for 1 day	Colored pattern is not peeled off.	○
	Peeled off at the same point	Colored pattern is not peeled off.	10 times<
JAS Abrasion Test C	Abrasion wheel CS-17 Total load 1000g	Colored pattern remains more than 50% after more than 100 rotations.	200 times<
		Judgement	Passed
JAS Acid-Fastness Test	Drop 5% acetic acid, and leave it covered with a cover glass for 6 hrs	No significant change is found.	Passed
JAS Alkali-Fastness Test	Drop 1% sodium carbonate, and leave it covered with a cover glass for 6 hrs	No significant change is found.	Passed
JAS Thinner-Resistance Test	Drop Thinner, and leave it covered with a cover glass for 6 hrs	No significant change is found.	Passed
JAS Stain-Resistance Test A	Draw a line with magic ink, and wipe it off after 4 hrs	No significant change is found.	Passed
	Draw a line with red crayon, and wipe it off after 4 hrs	No significant change is found.	Passed
	Draw a line with water-based blue ink and wipe it off after 4 hrs	No significant change is found.	Passed

○: Not scratched, ○—: Few scratched

※Above is our internal experimental data. It is not guaranteed.