



# SELVOL POLYVINYL ALCOHOL APPLICATION SUPPORT

## Dedicated Paper Laboratory

Sekisui sells a wide range of Selvol Polyvinyl Alcohol products to the paper industry for use in a large variety of applications. To support our customers in the paper industry, Sekisui Specialty Chemicals maintains a fully staffed, dedicated paper R&D Lab and Technical Support Team.



### PAPER APPLICATION LAB

- » Well-equipped paper lab for product screening and customer grade development
- » Selvol product formulation, custom blending and co-polymer test work for client specific needs
- » Field support expertise for application startup and troubleshooting
- » Analytical and practical paper chemical expertise
- » Selvol feed equipment design, installation and start-up support through a third party partnership

**TABLE 1:**  
Selvol PVOH Product Applications

Stickies Control
Clear Sizing
Pigmented Sizing
Ink Jet Papers
Optical Brightener Carrier
Oil and Grease Resistance
Fluorochemical Carrier
Silicone Holdout
Backsize Linting Control
Cobinder

TABLE 2:  
Paper Applications Laboratory Equipment

Coating Applications	Surface Sizing Applications
Cowles Dissolver (high sheer coating preparation)	Steam Baths (cooking starch, PVOH, protein solutions)
Microwave Solids Oven (coating solids measurement)	CTH Room (TAPPI standard testing environment)
Viscometers (RVD and LVD coating measurement)	Cobb Tester (water absorption)
Hercules High Sheer Rheometer (rheology study)	Caliper Tester (paper and board thickness)
AAGWR (water retention meter)	Kit Test (grease resistance)
RK K303 Lab Coater	Contact Angle Tester (surface wet ability/absorbency)
IGT Printer and Inking Unit (coating surface strength)	
Technidyne Brightness Meter (optical testing)	Mechanical Properties
75" Gloss Meter (surface gloss)	Gurley Pososity (air passage resistance)
Parker Print-Surf (surface roughness)	MIT Tester (folding endurance)
Ink Rub (abrasion resistance)	Mullen Burst Tester (bursting strength)
Mocon Ox-Tran 1/50 (OTR)	TMI Monitor/Tear (tear strength)
Mocon Permatran-w 1/50G (MVTR)	
Beloit Lab Calender	

The Sekisui Paper Applications Team offers technology, expertise and service.



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