

# Coating Testing @ WDC

## POWDER COATING

- ATM Sonic Sifter for particle size analysis

### Coated panel Testing

- Elcometer Spark test
- Sand abrasion tester
- Gardner drop impact tester
- Taber 5130 Abraser
- DJH Designs MEK rub tester
- MacBeth Color-Eye 7000 Spectrophotometer
- Other AAMA 2605 Physical Tests (t-bend, cross-hatch impact, pencil hardness, dry/wet adhesion, resistance to boiling water, muriatic acid, mortar, window cleaner, detergent)
- QUV accelerated weathering testers
- Atlas BCX cyclic corrosion testing system viscosity

## PFPE FLUID COATING

### Fluid characteristics

- viscosity (Brookfield Viscometer)
- density
- pH
- boiling point range

### Paper treated with fluorochemicals

- Oil, grease & water permeation resistance
  - Cobb Test
  - New Fatty Acid Test
  - KIT test
  - Turpentine Test
  - Hercules Sizing
- Surface energy of treated materials (Dynamic Contact Angle)
- Fluid compatibility with customer materials
- Fluorine analysis (Solvera expertise)
- Gurley Porosity
- TAPPI and ASTM test methods and Simulation customer methods