# Coat-Weight Recommendation - Waterbased

## Coat-Weight - Testing

This test is used to measure the actual amount of dry/cured coating-film applied to the substrate by the coating system. This procedure is useful to confirm the actual coating application rate OR ‘coat-weight’ as it relates to wet coating performance during the printing/coating process and dry/cured coating performance on the coated substrate/final product. The coat-weight testing procedure can be found in the CAC document: ‘Foil Coat-Weight Test - Comparative’.

## Coat-Weight - Value Reference

Coat-weight testing results can be expressed in two values/methods:
- **Dry Value**: dry lb/3000 ft²
- **Wet Value**: wet lb/1000 ft² (calculated based on dry value results)

## Coat-Weight - Importance

An adequate dry/cured coat-weight on the substrate is necessary to ensure proper coating coverage and complete benefits of the coating product formulation inclusive of:
- Gloss
- COF/AOS
- Rub/Abrasion Protection
- Block Resistance
- Functional Properties; related to the specified coating formulation

## Coat-Weight - Recommended Values

A general recommended coat-weight is listed for use with the below waterbased coating products/types to ensure that the formulated characteristics are achieved:

### General Purpose, Work/Turn
- 1.0 - 1.2 dry lb/3000 ft²

### Softfeel
- 1.0 - 1.5 dry lb/3000 ft²

### Heat-seal/Blister-pack
- 1.5 - 2.5 dry lb/3000 ft²; recommend seal testing to determine adequate results

Waterbased coating products that are determined to be ‘functional’ or ‘specialty’ in nature may require a coat-weight result that is outside of the above listed parameters to ensure successful results. In most cases, the recommended coat-weight for these products can be found on the product specific Technical Data Sheet (TDS). In the event that there are questions regarding the coat-weight recommendation for a specific waterbased coating product, please contact your CAC Technical Sales Representative.