



TECHNICAL C&A INFORMATION

Coat-Weight Recommendation - Waterbased v1.1

Coat-Weight Recommendation - Waterbased

Coat-Weight - Testing	<p>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: '<u>Foil Coat-Weight Test - Comparative</u>'.</p>
Coat-Weight - Value Reference	<p>Coat-weight testing results can be expressed in two values/methods:</p> <ul style="list-style-type: none"> - <u>Dry Value</u>: dry lb/3000 ft² - <u>Wet Value</u>: wet lb/1000 ft²(calculated based on dry value results)
Coat-Weight - Importance	<p>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:</p> <ul style="list-style-type: none"> - Gloss - COF/AOS - Rub/Abrasion Protection - Block Resistance - Functional Properties; related to the specified coating formulation
Coat-Weight - Recommended Values	<p>A general recommended coat-weight is listed for use with the below waterbased coating products/types to ensure that the formulated characteristics are achieved:</p> <p>General Purpose, Work/Turn</p> <ul style="list-style-type: none"> - 1.0 - 1.2 dry lb/3000 ft² <p>Softfeel</p> <ul style="list-style-type: none"> - 1.0 - 1.5 dry lb/3000 ft² <p>Heat-seal/Blister-pack</p> <ul style="list-style-type: none"> - 1.5 - 2.5 dry lb/3000 ft²; recommend seal testing to determine adequate results <p>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.</p>