

Light Basis Weight Papers

HOW IT'S MADE

Light basis weight papers range in weight from 23 to 50 grams/m². The paper may contain acrylic, polyester or other resins added during the paper making process to improve the internal bond strength. The paper is then printed and topcoated with polyurethane, urea, polyester, acrylic, melamine or a combination thereof for increased durability and performance.

Light basis weight papers can be printed with excellent quality and high-fidelity patterns. Optional chemical, optical, or gloss-matte embossing of these papers enhances the realism of woodgrain and natural patterns. Light basis weight papers have long been common in higher levels of value engineering and are widely used in cabinets, store fixtures, paneling, shelving, closet systems, RTA and home office furniture.

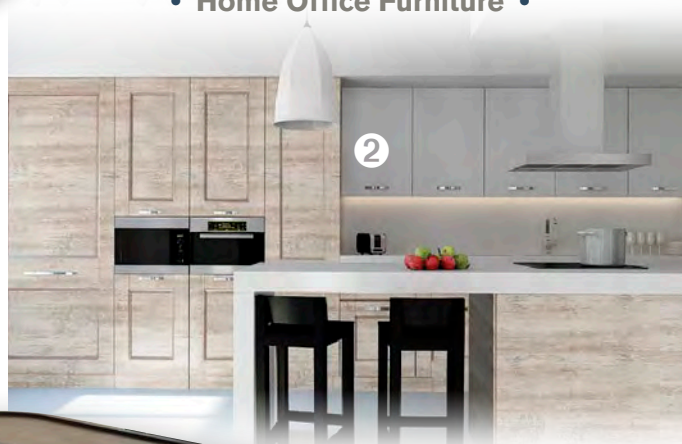
Light basis weight papers are usually divided into two categories, standard and industrial. Standard grade papers contain a lower amount of resin in the base paper and offer an economical overlay for use on general surface applications.

Industrial grade papers with their higher resin content, should be specified for applications that demand higher production and processing performance (i.e., improved cutting and machining). The cost effectiveness of this overlay group is further enhanced by the possibility of single-sided panels. It is not necessary to laminate both sides of the substrate to achieve a balanced panel. As an additional application, depending on their weight, light basis weight papers can be profile wrapped to produce trim that is an exact match of the flat surface.

Light basis weight papers will accept a variety of adhesives applied during the laminating process. Additionally, they can be supplied precoated with hotmelt adhesive ready for hot roll laminating without any additional adhesive application to the paper or substrate. The performance and appearance of the finished panel will be affected by the adhesive system used and substrate quality. ■

LEADING APPLICATIONS

Cabinetry • Shelving Systems •
Closet Systems • Paneling • Store Fixtures
• Home Office Furniture •



Please see pages 101-106 for information about the companies that produce light basis weight papers.

LIGHT BASIS WEIGHT PAPERS (LBWP) ARE IDEAL AS AN ECONOMIC OVERLAY. INDUSTRIAL-GRADE LBWP HAVE A HIGHER RESIN CONTENT AND GREATER INTERNAL BOND. THEY ARE OFTEN USED IN VERTICAL SURFACES SUCH AS SHELVING, ①, CABINETS, ②, AND FURNITURE FOR THE HOME OFFICE, ③. STANDARD LBWP ARE USED IN LOW WEAR APPLICATIONS LIKE RTA FURNITURE ④.