



Factory applied finish

The finish that is applied to the surface of all Europlank products is a UV curing Polyurethane Acrylic system. During production seven coats are applied, but they are not all the same. The following table describes each coat and its function in the overall finish.

Coat	Description	Function
1	Priming coat	Provides strong bond to the wood fibres.
2	Filling coat	Fills minor irregularities in priming coat
3	Wearing coat	Strong coat that provides durability
4	Wearing coat	Strong coat that provides durability
5	Wearing coat	Strong coat that provides durability
6	Top coat	Final gloss level (satin or matt) is given at this stage
7	Top coat	Removes any blemishes to provide the best finish possible

It should be noted that sanding of the finish occurs after stage 2 after stage 5 and after stage 6. This process ensures a consistent bond and an excellent finish.

Actual coverage

With UV cured systems it is possible to apply more lacquer per coat over 4 applications instead of seven. The critical value is the weight of material that is applied per M2. We elect to apply lacquer in seven coats as we believe it enhances the quality of the overall finish from an aesthetic perspective, but the amount that we apply is in the order of 90 grams per M2.

UV Cured finishes

As stated previously we use a UV curing Polyurethane Acrylic system, but what does this mean? Simply put there is a photo-initiating compound contained in the finish that reacts with UV light causing immediate curing of the finish. The energy applied by the UV lamps imparts a burst of energy that cross-links the molecules resulting in a hard durable finish.

Klumpp industries

Are one of the world's manufacturers of paints and coating systems and provide us with all our lacquer and stains resulting in complete compatibility between stain and lacquer.