

DO YOU KNOW HOW TO CHOOSE YOUR PRINTER AND YOUR INK?

Your printer must respect the environment as much as possible, also fulfilling the high quality and safety requirements of industries. Wessling is an independent testing lab and we would like to guide you through the quality evaluation of your next technical purchase.



Let's start from some definitions.

- **Decoration:** a system that combine materials and colours that together can give a special design to objects.
- **Industrial decoration:** the decorative system (the printer and the printing process) has to fulfill the laws in force in your country, respecting norms for the specific industrial applications.
- **Laws:** European and/or national regulations fixing rules for products and for work safety. Limits for certain critical parameters can be fixed by law.
- **Norms:** technical methods for the objective evaluation of specific parameters.



WESSLING is one of the leading consulting, analytical and testing companies engaged in quality, safety, environment and health. 1 200 employees offer a unique range of laboratory analysis and engineering services under one roof. We are at 30 locations in Europe and China in your area and internationally, wherever our customers need us. We provide accredited analysis and experts consultancy on many different topic, from environmental matrixes to consumer products (i.e. pharmaceuticals, food, packaging, feed, toys), from buildings (i.e. asbestos investigation, contamination detection, due diligence, energy optimization) to biogas plants management.

HOW TO EVALUATE THE PRINTED ITEM

Ask to your supplier the following data and mark this list as a check list to take your best decision!

SUPPLIER	SUPPLIER	SUPPLIER
1	2	3
name	name	name



There are different technical international norms that can quantify the resistance of a printed item to **humidity**. They can test the item at different level of humidity and for different contact time. Always check whether your supplier performed this test and whether the testing conditions and the results match with your application requirements.

YES	NO	YES	NO	YES	NO
<input type="checkbox"/>					



There are different technical international norms that can quantify the resistance of a printed item to **light**. They can test the item at different conditions and for different contact time. Also, different filters can represent indoor light exposure or outdoor ones. Always check whether your supplier performed this test and whether the testing conditions and the results match with your application requirements.

YES	NO	YES	NO	YES	NO
<input type="checkbox"/>					



Even if the cross cut test may seem very easy and simple, it is the first step for the evaluation of the resistance of your printed item to **scratch** in your desired application. Always ask to see how it works, so to be able to evaluate your self!

YES	NO	YES	NO	YES	NO
<input type="checkbox"/>					



Some printed item can release solvents for many days (or months) in the surrounding environment. France already released a law that requires some specific test for some indoor application. Ask for specific **emissions test** and do not evaluate this effect only by smelling the odor.

YES	NO	YES	NO	YES	NO
<input type="checkbox"/>					

YES	NO	YES	NO	YES	NO
<input type="checkbox"/>					

Do you want to test your specific printed item?
Do you want to evaluate the quality of your product?
 Contact alessandro.canali@wessling-gruppo.it
 Visit our web for other possibilities
<http://it.wessling-gruppo.com/en/services/products>