



Decorative technique based on the realization of a graphic artwork that can be transferred onto 3D surfaces. Decals are an excellent solution for decorating items which are not suitable for the direct printing, due to their shapes and features.

Application:

- Helmets;
- Bike frames;
- Sports equipment;
- Motorcycle fairing and tanks;
- Carbon parts.

Waterslide decals must be applied on **pre-coated substrates**. Decals can be used for the decorations of any object made in **plastic, metal, wood or carbon fiber**.

Why use this product:

- To decorate curved **surfaces and complex shapes**, fitting the needs of any industrial designs and aerodynamical feature;
- To realize **elaborated graphic artworks**, with several colours, including metallic and fluorescent effects. Any request can be fulfilled in terms of communication, **customization** and graphics.
- To achieve **top-quality results**. Due to their very low thickness ($25-30\ \mu\text{m}$), decals can perfectly blend with the object and the final over-varnishing allows to obtain **high mechanical and weathering resistances**.

There is no comparison with traditional stickers, that have about $100\ \mu\text{m}$ thickness and tend to unstick over time.

How decals are made:

- **Printing substrate:**
a special paper, with a specific water-soluble coating that allows to remove the graphic artwork by means of a simple water immersion.
- **Inks:**
the Serilon series are our market-leader inks for manufacturing water slide decals.
The most common printing sequence is to apply one or more background white layers, followed by colours and a final transparent ink.
- **Peelable coating:**
colodion peel-off is a special wrap that allows to transfer the decals from the paper to the final object, and it can be screen printed with high thickness.

NOTE

Our technical advice whether spoken, written or through test trials corresponds to our current knowledge and provides information about our products and use. ENGLER ITALIA cannot, however, guarantee the finished results because ENGLER ITALIA exercises no control over those factors which may determine the use and application of the product at the user's headquarter.

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