TIGITAL® Tattoo Series 320

DECORATION TECHNOLOGY FOR GLASS, METAL, WOOD AND OTHER SPECIAL MATERIALS

Product description

TIGITAL Tattoo is a multicolor decoration method enabling chemical and mechanically resistant label free decorations. The Tattoos are applied on heat resistant substrates such as bottles *via* thermo transfer technology. The final curing step is done at elevated temperatures. It provides ultra-sharp high quality images and designs on said substrates. We highly recommend the use of TIGER Drylac powder coatings for precoated substrates since TIGITAL Tattoo does not function as a protective coating for sensitive substrates.

Application range

High temperature resistant materials starting from 135 °C*****

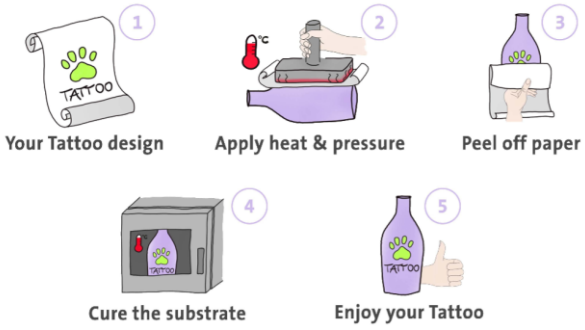
- Coated: glass/steel/aluminum/thermosets…
- Uncoated: see TIGER Drylac TDS

TIGITAL Tattoo properties

Durability	High mechanical & chemical resistance******
Resolution	1.200 DPI image quality
Size	Width: max. 500mm; Length: endless
Color model	Multicolor CMYK+W or Transparent
Storage recommendation	Keep in original packaging, 9 months from production date, keep below 25°C under dry conditions
Handling	Keep away from sharp edges, don't put under pressure, throw or wet

further results upon request

Transfer settings/process



Note: *Simplified process sketch for understanding purposes; differs from R2R heat transfer machine and industrial applications.*

*customized substrate; please contact technical support
**after curing

Curing conditions

Depending on the process and oven design, different curing times can be achieved. The values given here are values which must be verified on the transfer & curing line in question. The following temperature specifications refer to the temperature of a convection oven:

- at least 20 min dwell time at 135 °C or
- at max 5 min dwell time at 200 °C

The curing conditions must be carefully controlled on all wide and narrow surfaces, as the powder controlled, since the resulting quality of the coating depends on the degree of curing. Insufficient curing could cause Tattoos to have bad adhesion and scratch resistance.

Above and beyond the standard specifications customary in the industry, it is recommended to perform wet-climate and aging tests on tattooed substrates.

Due to the variety of materials and the different curing technologies, the exact curing parameters must be determined in detail in each case. TIGITAL Tattoo provides technical support for each customer on demand.

Disclaimer

Our verbal and written recommendations for the use of our products are based upon experience and in accordance with present technological standards. These are given to support the buyer or user. They are non-committal and do not create any additional commitments to the purchase agreement. They do not release the buyer from verifying the suitability of our products for the intended application. We warrant that our products are free of flaws and defects to the extent as stipulated in our Terms of Delivery and Payment.
As a part of our product information program each of our Technical Data Sheets are periodically updated, so that the latest version shall prevail. Therefore, please visit the download area of www.tigital-tattoo.com to make sure you have the most current version of this Technical Data Sheet. The information in our Technical Data Sheets is subject to change without notification.
This Technical Data Sheet substitutes all previous Technical Data Sheets and notes for customers published on this subject matter and is only intended to give a general product overview. Please request specific information for products outside of our standard product list (latest version). The Technical Information Sheets and the Terms of Delivery and Payment each in their latest version, available as a download at www.tiger-coatings.com, form an integral part of this Product Data Sheet.

Product data sheet