



## Water and CO2 footprint

Water and CO2 footprint for the past calendar year 2022

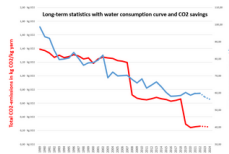
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Prolonged droughts and many other recent extreme weather phenomena motivate us more than ever to be even more economical using energy and water.

Since 1984, we keep exact statistics on our energy and water consumption and in 2017, for the first time, TVU published the annual average specific water and CO2 footprint per kilogram of refined yarn with each invoice on refining services. Since then, we are providing a transparent insight into the effectiveness of our actions and promoting environmental awareness.



Our hangtags "Sustainable Yarn Dyeing - Made in Germany" with the current consumption figures are already helping some customers a lot to communicate an awareness for energy and water in the textile chain all the way to the consumer.



For example, we have been able to reduce carbon dioxide emissions very significantly since 2017 from 0.644 kg CO2/kg to 0.262 kg CO2/kg yarn in 2022. On the one hand, this is due to the high use of self-generated photovoltaic electricity (more than 25 %) and, on the other hand, to the purchase of "green-generated" electricity.

Fresh water consumption per kilogram of yarn refined has slightly increased over the same period from 58.24 l/kg in 2017 to 59.81 l/kg in 2022, because we are refining significantly more blended and high-performance yarns than before.

The type and blends of the finished yarns have a significant impact on water consumption. For example, we only need 18 l/kg for a light polyester dye, but 70 l/kg for a polyester/cotton blend.

In the next reporting period, we will hopefully achieve further savings by recycling rinsing baths and increasing the "right-first-time" rate (for years, more than 99 % of our batches already fit straightaway).

Use our free service of CO2 and water consumption figures already today to sensitise your customers. You can use them to show roughly how much water your textile products have used and how much CO2 they have emitted all the way to the consumer, taking into account your own water and CO2 emissions.

Full of strength and confidence, we are tackling the challenges of preserving an earth worth living in.

Please do not hesitate to contact us if you have any questions, suggestions or concerns.

We wish you a nice late summer

Your TVU-Team

## With a feeling for yarn und colour.



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Author of this issue:  
Klaus Christ



[info@tvu.de](mailto:info@tvu.de)



<http://www.tvu.de>



+49 (0) 9823 955-0



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TVU Textilveredlungsunion GmbH  
Rammersdorfer Str. 8  
D-91578 Leutershausen

[www.tvu.de](http://www.tvu.de)

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