

# Carbon Footprint Report

## 2020

For the group of the following six companies:

Greif Holding GmbH & Co. KG

Kreuznacher Zentralwäscherei GmbH & Co. Mietwäsche KG

Mietwäsche Süd-West GmbH & Co. KG

Mietwäsche West GmbH & Co. KG

Ruess GmbH

Wäscherei W. Heim GmbH & Co. Mietwäsche KG

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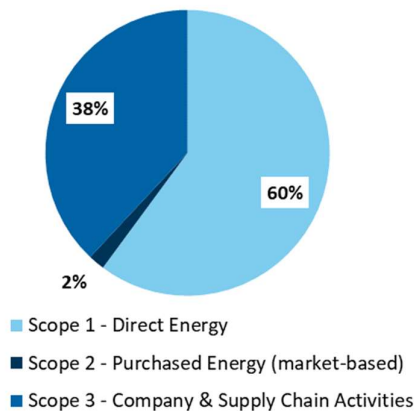
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## Carbon Footprint Report 2020 – Management Version

**Project Target:** The project target was to update the Corporate Carbon Footprint of the group consisting of the six individual companies Ruess GmbH, Mietwäsche West GmbH & Co. KG, Mietwäsche Süd-West GmbH & Co. KG, Kreuznacher Zentralwäscherei GmbH & Co. Mietwäsche KG, Wäscherei W. Heim GmbH & Co. Mietwäsche KG and Greif Holding GmbH & Co. KG (“Group”). Covered are direct emissions from own facilities, own vehicles and purchased energy, as well as indirect emissions along the value chain. Due to the preliminary internal work by the group, it was possible to speed up the process of data gathering and calculation. This has been supported by the holistic DFGE TopDown approach, based on DFGE’s project experiences and combined with mathematical methods.

**The group - Carbon Footprint 2020:** The Carbon Footprint for the group was assessed via a complete analysis considering the selected inventory boundaries. The calculation is based on the methodology of the Greenhouse Gas Protocol (GHG Protocol)<sup>1</sup> and covers all relevant Scope 1, 2 and 3 emissions.

The estimated total Carbon Footprint amounts to **48.696 t CO<sub>2</sub>e** (calendar year 2019).



Scope	Value	Unit
Scope 1 total	29.291	t CO <sub>2</sub> e
Scope 2 total	898	t CO <sub>2</sub> e
Scope 3 total	18.507	t CO <sub>2</sub> e
<b>Total CF</b>	<b>48.696</b>	<b>t CO<sub>2</sub>e</b>

**The group carbon intensity.** Based on the data provided by the group for in the year 2019, the following emission intensity metrics have been calculated:

Intensity metric	Value	Unit
Emissions per unit of revenue	325,39	t CO <sub>2</sub> e/million EUR
Emissions per unit of output	0,50	t CO <sub>2</sub> e/t laundry
Emissions per floor area	0,61	t CO <sub>2</sub> e/m <sup>2</sup>

<sup>1</sup> Standards available at <http://www.ghgprotocol.org/standards/> (Nov 17)

**Data quality rating:** The quality of used input data is rated by DFGE experts based on qualitative indicators defined by the GHG protocol. For the different balance groups, an error analysis is performed, including an estimation of the bandwidth in which the actual value is located. Results are then aggregated using mathematical methods.

The resulting data quality rating for the overall result is **“Good”**, corresponding to a bandwidth of **+/- 5-15%**

All greenhouse gas emission amounts are calculated in CO<sub>2</sub>-equivalents (CO<sub>2</sub>e). All results are based on the information provided by diemietwaesche.de and should be considered preliminary. DFGE recommends conducting further investigation to improve data quality.

The methodological background, detailed values for all categories, used data sources and a detailed data quality assessment are presented in the detailed Carbon Footprint report.

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