

SUSTAINABILITY, SOCIAL AND  
ENVIRONMENTAL RESPONSIBILITY

# REDUCE THE PRODUCT CARBON FOOTPRINT WITH ALMAMET REAGENTS

A significant contribution to today's steel route



# REDUCE THE PRODUCT CARBON FOOTPRINT WITH ALMAMET REAGENTS

For more and more companies, reducing their carbon footprint is becoming increasingly important. ALMAMET is aware of this matter and helps its customers to reduce their Scope 3 emissions by developing and supplying CO<sub>2</sub>-optimized products.



ALMAMET is working constantly to reduce its own carbon footprint in Scope 1, 2 and 3.

The Scope 1, 2 and 3 emissions are the basis for calculating the Product Carbon Footprint (PCF), which records the emissions for a product that occurs during the entire product life cycle.



ALMAMET is cooperating with ClimatePartner to calculate the PCF of its reagents as well as the Corporate Carbon Footprint (CCF) regularly and considering the Cradle-to-Gate approach in its PCF calculations.

## Measures to reduce the CO<sub>2</sub> emissions

As ISO 14001 certified company ALMAMET continuously aims to reduce its CCF and PCFs of its reagents by selected measures:

- | Using Secondary Magnesium in its Magnesium blends and Lime-Magnesium blends
- | More than >1000 kWp (Kilowatt-peak) on renewable energies (Solar power) are installed in the ALMAMET facilities in Germany, Türkiye and Romania for its Magnesium processing
- | Extension of worldwide recycling activities in Germany, Romania, Türkiye and India
- | Change to more climate-friendly electrical car fleet
- | Use of silo tankers and usage of re-usable packaging material to reduce non-recyclable packaging to a minimum



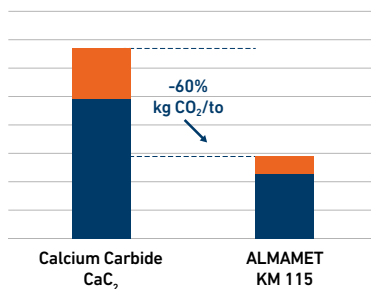
Installed Solar Power System at MME (ALMAMET Türkiye)

# REDUCE THE SCOPE 3 EMISSIONS IN YOUR STEEL ROUTE BY USING ALMAMET REAGENTS

By using ALMAMET reagents and the aforementioned characteristics, the Scope 3 emissions – compared to Magnesium which is directly imported from overseas – can be reduced significantly:

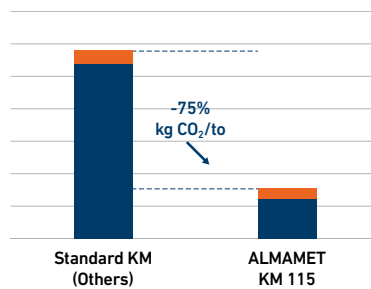
## Carbon Footprint Benchmark in kg CO<sub>2</sub>/to Material

■ Sourced material and pre-processing ■ Production process



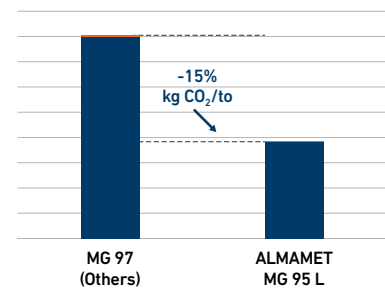
### ALMAMET KM 115 vs. Calcium Carbide CaC<sub>2</sub>

Compared to Calcium Carbide CaC<sub>2</sub> the PCF of ALMAMET's KM 115 is only about 40 % of Calcium Carbide's PCF. So, it leads to significantly lower emission values in your mono-injection systems and your Scope 3 emissions according to the Greenhouse Gas Protocol (GHG).




### ALMAMET KM 115 vs. Standard KM (Competitor)

With using ALMAMET's Lime-Magnesium blend KM 115 in mono-injection systems, the CO<sub>2</sub> emissions (kg CO<sub>2</sub>/to) can be reduced by 75 % compared to a Standard Lime-Magnesium blend.



### ALMAMET MG 95 L vs. MG 97 (Competitor)

With using ALMAMET's MG 95 L that also content Secondary Magnesium, the CO<sub>2</sub> emissions (kg CO<sub>2</sub>/to) can be reduced by more than 15 % compared to a MG 97 from others which is imported as primary Magnesium from overseas.



ALMAMET is aware of its responsibility for the environment and its resources. Therefore, ALMAMET received the Award of Excellence in the category “Environmental Responsibility” from the International Magnesium Association in 2020.

### Social responsibility

ALMAMET is aware of its **social responsibility anchored in its Code of Conduct (CoC)** and strictly complies with all laws, e.g. the UN Global Compact. ALMAMET follows a zero tolerance policy on all kinds of corruption, bribery, child labor and focuses on a fair treatment of employees and business partners as well as the regulations to protect a fair competition.

### Quality

ALMAMET and its production facilities are certified according **ISO 9001 (Quality Management System)** and **14001 (Environmental Management System)**. ALMAMET has committed itself to implement a system for quality assurance and respect for our environment.

### Safety

ALMAMET moreover is committed to provide a safe and healthy working environment for all its employees based on **more than 40 Safety Standards** which are regularly checked, trained and improved.

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