10 ENGINEERED MATERIALS

Connecting Abrasive Innovation with Sustainability

REDUCING YOUR ENVIRONMENTAL FOOTPRINT, PROFITABLY

JUNE 10, 2025

OUR MISSION

To empower people through sustainable engineering and scientific innovation that harmonizes well-being, environmental stewardship, and economic progress.





Your Partner in Safer, Smarter, More Sustainable Surface Preparation:

At 10X, our superoxalloy abrasives eliminate a major health hazard for blasters in marine maintenance without compromising performance.

When deployed in maritime environments, our engineered processes not only boost team productivity and profitability but also significantly reduce the environmental footprint of surface preparation work.

THE IMPACT OF 10X ABRASIVES

LOWER COST PER SQ FT HIGHER BLASTING SPEEDS LESS MATERIAL FOR DISPOSAL LESS CLEAN UP TIME

DELAYED RUST BLOOM

26%-81%

70%-250%

30%-80%

40%-90%

3+ DAYS

MORE PROFITABLE

FASTER

LESS WASTE

LESS TIME

PROTECTED











ARROW MARINE'S EXPERIENCE (A GREEN MARINE MEMBER) WITH 10X ENGINEERED MATERIALS











A GREEN MARINE MEMBER'S RESULTS



COPPER SLAG

KINETIX

DYNAMIX

40 tons of abrasive per vessel

10 tons of abrasive per vessel

8 tons of abrasive per vessel

Operational Efficiency

- 90% less front-end loader usage during blasting with 10X (minimal cleanup required)
- Significantly reduced diesel fuel consumption
- No mid-process cleanup interruptions

Material & Waste Savings

- 20 gallons less paint thinner per vessel blasted with 10X
- 5 gallons less paint per vessel blasted with 10X
- Eliminated 3 spray system flushes per project by switching to 10X

Labor & Time Savings

- 45 hours to 15 hours of nozzle time on average
- 4-5 week turnaround to 1-2 week turnaround
- Cleaning labor decreased from 25 hours to 6 hours per vessel with 10X

IT'S A LOT MORE
THAN JUST WHAT
THEY GET FROM
THE 10X PRODUCT
ITSELF.



REDUCTION OF RESOURCE INTENSITY PER UNIT OF PRODUCTIVE OUTPUT (VESSEL)

ABRASIVE USE



From **40 tons** of copper slag to **8 tons** of DynamiX (80% reduction)

DIESEL SAVED



80.75 gallons avoided = **824 kg CO2** emissions prevented

COATINGS WASTE REDUCED



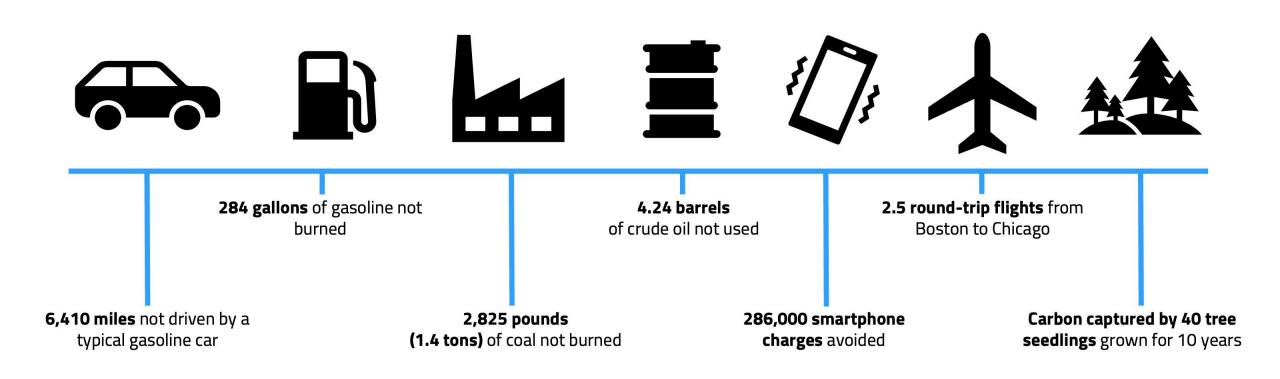
20 gallons of thinner and **5 gallons of paint** saved per vessel

ENERGY SAVINGS



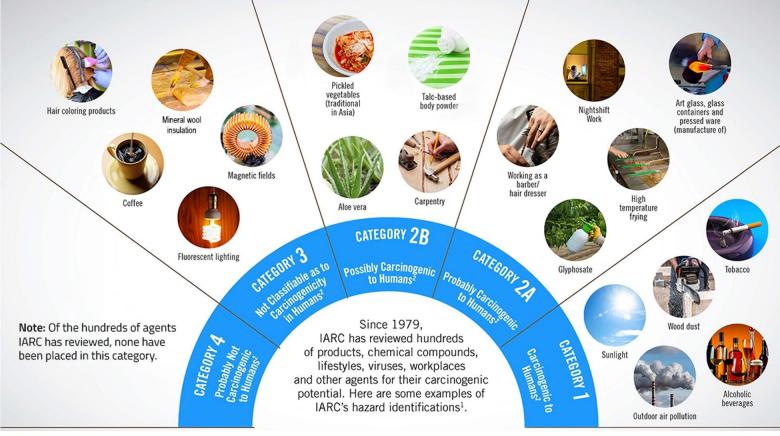
2,727 kWh avoided = **1,742 kg CO2** emissions prevented

REDUCTION OF RESOURCE INTENSITY PER UNIT OF PRODUCTIVE OUTPUT (EQUIVALENCY)



MINERAL WOOL MATERIAL IS AMONG THE MOST TOXICOLOGICALLY STUDIED IN HISTORY - IT IS PROVEN NOT TO CAUSE LUNG DISEASES OR CANCER

WORLD HEALTH ORGANIZATION INTERNATIONAL AGENCY FOR RESEARCH ON CANCER IARC MONOGRAPHS ON THE EVALUATION OF CARCINOGENIC RISKS TO HUMANS **VOLUME 81** MAN-MADE VITREOUS FIBRES **IARCPress** LYON



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THANK YOU!

