



NEW COPPER- AND LEAD-FREE MIRRORS

PROUDLY MANUFACTURED BY PFG



'green'
smart



energy
smart



made
smart



handling
smart

QUALITY MIRRORS

PFG's high-quality mirrors are designed for use in a range of applications to provide lasting creative, reflective and lighting benefits.

NOW COPPER-FREE

In line with global environmental trends and improved sustainability, our Mirrors are made without copper and now also made with lead-free paint.

WHY COPPER AND LEAD FREE?



PFG manufactures high-quality Mirror for use in a range of aesthetic applications.



Our copper- and lead-free solution replaces copper with a multi-level treatment, for improved mirror quality, performance and durability. Special lead free paints make our products even more environmentally friendly, and our cutting edge mirrors conform to the most stringent European environmental requirements.



The new copper-free mirror follows significant improvements in processing plant equipment and effluent management systems.

GLOBAL TRENDS

In line with global trends towards increased environmental awareness and sustainability, PFG's Mirrors are now made without copper and with lead free paint.

WIDE-RANGING APPLICATIONS

Our Mirrors allow you to transform a home or office by making your room look larger and brighter. Applications include bathroom mirrors, dressing rooms, dining rooms, decorative walls and mirrors for gyms, dance studios and more.

MANUFACTURING

PFG's copper-free Mirror conforms to the international **EN1036** and **ISO9227** standards and test methods. A range of tests are conducted, both internally and externally to ensure standards are maintained.

BENEFITS

FOR OUR CUSTOMERS
AND CONSUMERS



ENVIRONMENTALLY
SMART

1

ZERO COPPER, ZERO LEAD

Zero copper use means a saving of 120kg of copper per annum, with additional savings in effluent handling.

2

ZERO LEAD

The lead content of our protective backing paint has been reduced from 6.6% to 0.4%, and recently totally eliminated.

3

AIR AND WATER

Up to 80% saving in water consumption is achieved in the process, together with a 70% reduction in effluent.

4

LESS LANDFILL

12 000 tons of glass destined for landfill sites is reclaimed and reused by PFG annually.

BENEFITS

FOR OUR CUSTOMERS
AND CONSUMERS



ENERGY
SMART

1

REDUCED ENERGY

Energy savings are achieved in the manufacture of our Mirrors, through the active recovery of cullet (broken glass) from the float line, as well as improved efficiencies in the Mirror manufacturing process.

2

CULLET RETURNS

We save 12 000 tons of recycled glass a year through windscreen and broken glass reclaiming, with a 30% reduction of CO₂ emissions.

3

LIFECYCLE SAVINGS

Energy, environmental and performance benefits are achieved throughout the Mirror's lifecycle, from raw material sourcing to manufacture, transportation and installation.

BENEFITS

FOR OUR CUSTOMERS
AND CONSUMERS



MADE
SMART

1

CERTIFICATION

PFG Mirrors conform to EN1036 and ISO9227 standards.

2

TESTING

With every batch manufactured, the copper accelerated salt spray (CASS) test is conducted for resistance to humidity, salt, fog, ferric chloride and ammonia.

3

CORROSION RESISTANCE

Our Mirror provides world-class reflectance and has superior resistance to humidity and corrosion.

4

EXTENDED LIFESPAN

When processed and installed correctly, superior protection is offered against corrosion, moisture and abrasion.