PFG

COPPER-FREE MIRRORS

NOW 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 now made **without copper**

WHY COPPER FREE?

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

Our low-lead and copper-free solution replaces copper with a multi-level treatment, for improved mirror quality, performance and durability

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 vastly-reduced lead content

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, LESS LEAD

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

2

REDUCED LEAD

Lead content is reduced from 6.6% to 0.4% – eliminating 94% of lead compared with a standard mirror

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 CO_2 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's copper-free Mirror conforms 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 copper-free 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

HANDLING

STORAGE & INSTALLATION

HANDLING SMART

INTRODUCTION

PFG's mirrors are made to the highest quality standards. It however remains important to ensure mirrors are handled, stored and installed correctly in order to achieve expected results

COPPER vs COPPER-FREE

Handle mirrors using the applicable PPE and do not handle with bare hands. DO NOT slide mirrors over each other

STORAGE

Specific storage requirements apply. Ensure that the area where the mirror is stored is dry and avoid condensation and moisture of any kind. Store mirrors vertically, do not lay them flat

TRANSPORT

Make sure that the handling equipment used is strong enough to handle the weight of the mirror. A dropped mirror is a ruined mirror. Transport the mirror in an upright position

INSTALLATION

When installing, set the mirror at least 5mm off the wall to allow air to circulate behind the mirror – don't seal the mirror into a recess. The adhesive must be suitable for mirror use

INSTALLATION

Do not install a mirror on an uneven surface. This can cause stress or strain on the mirror, which can cause the surface or backing to crack. It can also cause the mirror to warp, possibly leading to distortion