



## **WHAT IS A PHOTOLUMINESCENT EGRESS SYSTEM?**

Evacuating a building in chaotic, smoke-filled, darkened situation with low visibility can be life threatening. People become easily disoriented and panicked. Without an emergency wayfinding system the potential for slips, falls, injury or fatalities becomes greatly increased.

A Photoluminescent Egress System provides a reliable alternative to the traditional egress markings. Traditional emergency lighting relies on electrical or battery power. Glow-in-the-dark egress systems use photoluminescent materials that absorb and store energy from any ambient or UV light then releases in the event of total darkness. A Photoluminescent Egress System is designed to provided continuous visible guidance ensuring orderly and safe evacuation in the event of power failure or disaster.

## **WHAT IS PHOTOLUMINESCENCE?**

Photoluminescent materials contain a non-toxic, non-radioactive glow-in-the-dark compound. Materials containing this compound glow in the event of total darkness after exposure to a light source. Our photoluminescent products absorb and stores energy after exposure to a light source and releases this energy in the event of total darkness. This glow continues in two phases: the initial phase consists of a strong immediate glow followed by an accelerated decrease of the initial brilliance within the first 1/2 hour. Egress Systems products will emit glow for 6-10 hours depending on photoluminescence grade.

## **WHERE IS IT USED?**

Egress Systems priority is safety. Installing a photoluminescent wayfinding system for safe evacuation during powerfailure is required in most European countries and is quickly becoming required in Federal and Public buildings across the United States. An Egress System using photoluminescent products will provide a safe, illuminated path through stairwells, hallways and rooms which suddenly become dark in an emergency situation. Illuminated exit paths and clearly visible safety equipment reduce the panic and chaos caused by sudden powerfailure.

## **WHAT ARE THE BENEFITS OF A PHOTOLUMINESCENT EGRESS SYSTEM?**

A photoluminescent egress system can help minimize panic and injury during an emergency situation. Power failure caused by natural disaster, fire and smoke or terrorism raises risk of injury or casualties during evacuation. Protection of occupants, compliance, liability issues and capital assets can be managed by the inclusion of photoluminescent components.



#### **SAFETY STATISTICS:**

- The National Center for Health Statistics states that every year more than 1,000 people die from falls on staircases.
- Slips/falls rank second (behind motor vehicles) for workers compensation injuries.
- Each person injured in a fall was away from work an average of 4 weeks.
- The National Council on Compensation Insurance Statistics reported that the 313,335 slip/fall injuries in 1998 cost American's nearly 3.32 billion in compensation and lost productivity.

#### **A PHOTOLUMINESCENT EGRESS SYSTEM REDUCES THESE RISKS BY OFFERING:**

- Employees a greater sense of security and familiarity with their surroundings
- A low cost, faster and safer evacuation
- Visibility of safety signage and equipment
- National safety code compliance (UL924, UL199Y, DIN and ASTM standards)