



## **SUSTAINABLE SIGN SOLUTIONS FOR BUSINESS AND INDUSTRY**

In 1998, the **U.S. Green Building Council (USGBC)** developed a GREEN Building Rating System to provide standards for environmentally sustainable construction. These standards are known as LEED and provide environmental guidelines for new building construction, renovation, commercial interiors and existing facilities.

The **Leadership in Energy and Environmental Design (LEED)** is an open and transparent process where the technical criteria proposed by LEED committees are publically reviewed for approval by more than 10,000 membership organizations that currently constitute the USGBC.

In the past 20 years, LEED has grown from one standard for new construction to a comprehensive system of six interrelated standards covering all aspects of the development and construction process. The LEED rating system addresses six major areas:

1. Sustainable sites
2. Water efficiency
3. Energy and atmosphere
4. Materials and resources
5. Indoor environmental quality
6. Innovation and design process

## **ARCHITECTURAL SIGNAGE**

Interior Architectural and ADA compliant signs are an intricate design element in any facility. Although seemingly insignificant, all sign products and signage wayfinding systems should be A) complimentary to specific environments, B) support green building initiatives and C) achieve functional building code objectives. While all sign products and materials cannot be LEED certified, they can contribute towards points in the LEED rating system which weighs the total value of material in a project in several specific categories.

Kroy Sign Systems manufactures architectural signage with modular, changeable and reusable sign design components. Recycled Post-Industrial material waste is the cornerstone of Kroy Sign Systems comprehensive company environmental policy.

## **SIGN DESIGN OPTIONS**

Changeable message options are available with various sign products for customer friendly updating. 100% Post-Consumer recycled, InkJet / laser printable paper inserts permit customers to conveniently and inexpensively change sign messages without replacing the entire sign.

This option supports signage longevity and flexibility in any dynamic and changing building environment while diverting material away from the solid waste stream.

Kroy Sign Systems changeable sign products include:

- Acrylic Sign Frames
- Molded Sign Frames
- Curved Aluminum Sign Frames
- Aluminum Panel Signs
- Office Furniture Signs
- Suspended Overhead Directionals
- Changeable Polystyrene Inserts
- Changeable InkJet / Laser Printable Paper Inserts
- Aluminum and Acrylic Directories

## **RECYCLING**

Kroy Sign Systems is committed to supporting environmental management through conscious material and energy utilization throughout the manufacturing, assembly, finishing and packaging process.

Scrap generated during the manufacturing process, including paper, films, plastics and aluminum, are sorted and recycled. Production and Administrative computer and peripheral systems purchased are refurbished units, where feasible.

Kroy Sign's proprietary injection molded sign products contain up to 20% reground plastic molded products, diverting scrap plastic away from the solid waste stream.

Kroy Sign's ADA Photopolymer Signs are manufactured using Nova Polymers' NovAcryl PT Series photopolymer. NovAcryl is the greenest and most versatile line of signage photopolymers ever introduced. The clear PETG sign base of NovAcryl contains a minimum of 40% post-industrial recycled content. Photopolymer effluent is 100% biodegradable, processed in plain tap water and has no VOC emissions. LEED contributors of NovAcryl include Materials and Resources (**MR**) Credit 4, Recycled Content, Indoor Environmental Quality (**IEQ**) Credit 4.1, Low-Emitting Materials - Adhesives and Sealants and Innovation in Design (**ID**) Credit 1.

## **AIR QUALITY**

Kroy Sign Systems adheres to stringent **U.S. Environmental Protection Agency (EPA)** and Maricopa County Air Quality requirements. Specialized High Volume Low Pressure (HVLP) paint applicators are utilized to achieve superior color coatings with minimum overspray and waste.

Kroy Sign Systems' products are finished with Matthews Paint products which contain Volatile Organic Compounds (VOC) levels at or below the requirements of the USGBC's Green Seal GS-11. This guideline is referenced in IEQ credit 4.2, a credit realized primarily by choosing and using low emission architectural coatings on interior surfaces during construction. Matthews topcoats and clearcoats, as well as select primers and additives, are compliant with the National Architectural Industrial Maintenance (AIM) rule, Federal Register 40 CFR Part 59.

## **COMPANY ENVIRONMENTAL POLICY**

Kroy Sign Systems continues to promote initiatives that provide for a better, cleaner and healthier environment. In keeping with this initiative, Kroy Sign Systems is committed to the:

- Reduction of pre and post-consumer material waste.
- Reduction of air borne particulates.
- Minimizing of Volatile Organic Compounds (VOC) emission levels that effect air quality.
- Use of raw material in the fabrication, assembly and packaging process, containing recycled post-consumer waste.
- Recycling of manufacturing material byproducts.
- Utilization of energy effecient T8 fluorescent and natural lighting to reduce energy costs and consumption.
- Use of recycled packaging materials.
- Use of refurbished computer equipment and peripherals.

Our company will continue to manage and operate our manufacturing business as environmental stewards and conservationists intent on keeping to the integrity of our sign products and to the social responsibilities necessary to protect the natural resources of the communities in which we live.