

## Xorel® Fabrics

### PERFORMANCE AND THE ENVIRONMENT

Since 1981 the solution for sustainable, performance oriented interiors has been Xorel Fabrics. Unlike vinyls, Xorel is woven from polyethylene and is chlorine and plasticizer free. It is extremely safe in its manufacture, use and disposal. Xorel Fabrics are incredibly durable, easily cleaned, flame retardant and present none of the environmental problems attributed to vinyl by its critics. In fact, Xorel Fabrics are recognized by Greenpeace as a viable alternative to vinyl.

### MANUFACTURING

Polyethylene has the simplest structure of all commercial polymers. A molecule of polyethylene is nothing more than a long chain of carbon atoms, with two hydrogen atoms attached to each carbon atom. Xorel Fabrics production results in substantially less carbon monoxide, nitrogen oxide, hydrocarbons, sulfur dioxide and dust than other fabrics. Second quality yarn produced is recycled back into the production cycle to be produced into first quality yarn.

Since FR Xorel Fabrics are inherently flame retardant and stain resistant, no topical chemical treatments are necessary, such as Teflon, or flame treatment eliminating the need to use and dispose of these additive chemicals.

### USE

Since Xorel Fabrics have an exceptionally long life cycle, backed by a 7 year performance warranty, they do not require periodic replacement. This contributes to the solution of a growing waste crisis, which is complicated by short-lived products.

For upholstery Xorel Fabrics are breathable for greater comfort. Xorel Fabrics pass the most stringent flame retardancy codes of the U.S., Europe and the International Maritime Organization (IMO). They also pass the IMO's smoke and toxicity tests, registering undetectable to extremely low levels of 7 gasses that are hazardous in a fire.

For indoor air quality, Xorel Fabrics released "insignificant" levels of VOC's, qualifying under California Bulletin 01350.

### **DISPOSAL**

When Xorel Fabrics are ready for disposal, they can be incinerated without emitting hazardous gasses and is in fact an energy producing source in waste burning plants. If placed in a landfill, Xorel will not harm groundwater.

### **THIRD PARTY CERTIFICATIONS**

Xorel achieved MBDC Cradle to Cradle Silver certification, earned SCS Indoor Air Advantage certification, GreenSpec Listed, and earned CHPS certification to meet the CHPS Low-Emitting Materials criteria-Section 01350-for use in a typical classroom.

### **XOREL FABRICS CONTAIN:**

No chlorine, No plasticizers, No heavy metals, No harmful dyes, No ozone depleting chemicals, Extremely low VOC's.

### **XOREL FABRICS WILL NOT PRODUCE:**

Dioxin, Hydrochloric Gas, Phosgene, Furans

### **XOREL FABRICS ARE:**

Easily maintained, Durable, Flame Retardant, Anti-bacterial, fungal and staph,  
Breathable, Solution dyed and colorfast, Acoustically transparent, Safely  
Disposable, Odorless