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Painting to Protect

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Storage warehouses are tough settings for rack components. Heat, cold, humidity and other environmental agents can result in corrosion and oxidation of shelving materials. Constant movement of stock in and out of racks can also damage them. To ensure long lasting protection of its products, Interlake Mecalux uses the most advanced methods of paint coating. The result is an attractive product that is resistant to harmful agents, and that will withstand normal wear and tear of warehouse operations.

Protecting the environment from the harmful effects of paint pollutants is also a concern for the company. The ISO (International Organization for Standardization), the world's largest developer and publisher of International Standards, awarded Interlake Mecalux the ISO 14001 which provides a framework for a holistic, strategic approach to the organization's environmental policy, plans and actions.

Interlake Mecalux uses cataphoresis, hydro soluble paint and powder coating to guarantee a high quality paint job in its products, which produce smaller amounts of volatile organic compounds (VOCs) than in other coating methods, ensuring a more ecological alternative to traditional painting methods.

Cataphoresis

Cataphoresis is a painting process based on electro-chemical technology. It relies on cathodic painting of metal surfaces immersed in a special preparation bath with the voltage turned on at the same time.

In the bath, consisting of about 75 percent demineralized water, 20 percent constant particles - resins and pigment and about 5 percent compounds, painted objects are immersed and constant current voltage applied. Mutual attraction between the painted pieces and the electrodes immersed at the sides of the bath causes a strong and precise coverage of the whole surface of the elements. The created coating is subject first to rinsing then drying.