GENERAL

ardex ds 70 ardex americas

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In the world of industrial safety, the right equipment can be the difference between a smooth operation and a costly incident. For construction sites, manufacturing plants, and any environment where heavy machinery and hazardous materials coexist, reliable protective gear is paramount. Among the most trusted names in safety equipment is Ardex, a global leader in fire protection, pressure vessels, and construction safety solutions. This article dives deep into one of Ardex's flagship products: the **Ardex DS 70**. We'll explore its design, specifications, applications, and why Ardex Americas has become a go-to distributor for professionals across North America and beyond.

Understanding Ardex: A Legacy of Safety

Ardex has been a pioneer in safety equipment since its founding in the early 1950s. With a commitment to innovation and quality, the company has developed a wide array of products ranging from fire suppression systems to pressure vessels and protective barriers. Ardex's reputation is built on rigorous testing, compliance with international standards, and a deep understanding of the challenges faced by workers in hazardous environments.

Ardex Americas, the regional arm of the company, focuses on delivering these high quality solutions throughout the United States, Canada, and Latin America. By maintaining local expertise and a robust distribution network, Ardex Americas ensures that customers receive timely support, tailored solutions, and the latest product advancements.

Introducing the Ardex DS 70

The **Ardex DS 70**is a heavy duty, multi purpose safety barrier designed to protect personnel and equipment from falling debris, impact, and hazardous material spills. Its robust construction, combined with advanced safety features, makes it a staple for construction sites, warehouses, and industrial facilities.

Key highlights of the DS 70 include:

- High strength steel frame with corrosion resistant coating
- Customizable height and width options
- Integrated anchoring system for secure installation
- Compliance with OSHA, ANSI, and ISO safety standards
- Easy assembly and disassembly for temporary or permanent use

Design Philosophy: Safety Meets Flexibility

The design of the Ardex DS 70 reflects a balance between stringent safety requirements and operational flexibility. Its steel frame is engineered to withstand dynamic loads, while the protective panels are made from high impact resistant material that can absorb shock and prevent secondary damage.

One of the standout features is the modularity of the DS 70. Users can add or remove panels, adjust height, or incorporate additional safety devices such as guardrails and warning signs. This adaptability means the DS 70 can evolve with a project's needs, reducing the need for multiple specialized equipment pieces.

Technical Specifications

Below is a comprehensive breakdown of the Ardex DS 70's technical specifications, providing a clear picture of its

capabilities and suitability for various applications.

Feature	Specification
Frame Material	High strength steel (ASTM A36)
Coating	Galvanized + powder coated finish
Panel Material	Polyethylene (HDPE) with impact modifiers
Maximum Height	Up to 10 feet (3.05 m)
Width Options	Standard (10 ft), Custom (up to 30 ft)
Load Capacity	Up to 5,000 lbs (2,268 kg) per panel
Anchoring System	Integrated anchor bolts + optional ground anchors
Compliance	OSHA 1910.119, ANSI B73.1, ISO 13849
Installation Time	5–10 minutes per panel (with assembly kit)
Weight (per panel)	45 lbs (20.4 kg)

Safety Features Explained

The Ardex DS 70 incorporates several safety features that set it apart from conventional barriers:

1. Impact Resistance: The HDPE panels are engineered to absorb kinetic energy, reducing the risk of injury from falling objects.
2. Secure Anchoring: Anchor bolts are pre drilled into the steel frame, allowing for rapid attachment to the ground or structural supports.
3. Modular Connections: Panels snap together with locking mechanisms that prevent accidental separation during use.
4. Visibility: High contrast color options and optional reflective strips enhance visibility in low light conditions.
5. Compliance Verification: The DS 70 has been tested against OSHA, ANSI, and ISO safety standards, ensuring regulatory compliance.

Applications Across Industries

The versatility of the Ardex DS 70 makes it suitable for a wide range of industries. Below are some common use cases where this safety barrier excels.

Construction Sites

Construction environments are inherently hazardous, with falling tools, equipment, and debris posing constant risks. The DS 70 can be deployed to:

- Protect workers from falling masonry or concrete.
- Mark hazardous zones around scaffolding and heavy machinery.
- Serve as a temporary perimeter during demolition or excavation.

Warehousing and Distribution Centers

In large warehouses, forklifts and pallet jacks move at high speeds, and goods are often stacked at significant

heights. The DS 70 helps to:

- Prevent falling pallets from damaging equipment below.
- Create safe walkways around loading docks.
- Isolate high traffic zones for employee safety.

Manufacturing Plants

Manufacturing plants can benefit from the DS 70's ability to contain hazardous material spills, protect machinery, and delineate safety zones.

- Contain chemical spills or flammable liquid leaks.
- Protect sensitive equipment from impact damage.
- Define restricted areas for machinery operation.

Event Management and Temporary Structures

Large events, concerts, or temporary exhibitions require quick deployment of safety barriers. The DS 70's lightweight panels and snap together design make it ideal for:

- Securing crowd control barriers.
- Protecting stages and equipment from accidental contact.
- Providing temporary fencing around restricted zones.

Why Choose Ardex DS 70 Over Competitors?

When evaluating safety barriers, customers often weigh factors such as durability, ease of use, cost, and compliance. The Ardex DS 70 stands out in each of these areas:

Durability and Longevity

Built with high strength steel and corrosion resistant coatings, the DS 70 is designed for long term use in harsh environments. The HDPE panels resist UV degradation, impact, and chemical exposure, ensuring that the barrier remains functional over years of service.

Ease of Installation and Removal

Unlike heavy, permanent fencing systems, the DS 70 can be assembled in minutes using the provided kit. Its modular design allows for quick removal when the barrier is no longer needed, saving both time and labor costs.

Cost Effectiveness

While the initial purchase price may be higher than basic fencing, the DS 70's longevity and low maintenance requirements offset the cost over its lifecycle. Additionally, its adaptability reduces the need for multiple specialized safety devices.

Compliance Assurance

Safety regulations are constantly evolving. Ardex Americas ensures that the DS 70 remains compliant with the latest OSHA, ANSI, and ISO standards. Regular product updates and certifications provide peace of mind to safety managers.

Ardex Americas: Your Trusted Partner

Ardex Americas serves as the regional hub for all Ardex products in North America and Latin America. Their expertise extends beyond product distribution to include:

- On site consultations to assess safety needs.
- Customized solutions for specific industry requirements.
- Training programs for proper installation and maintenance.
- 24/7 customer support for urgent issues.

By partnering with Ardex Americas, companies gain access to a dedicated team of safety professionals who understand local regulations and operational challenges.

Installation Guide: Step by Step

Below is a simplified installation guide to help you set up the Ardex DS 70 on your site. For detailed instructions, refer to the official product manual.

1. Site Preparation: Clear the area where the barrier will be installed. Ensure the ground is level and free of debris.
2. Anchor Placement: If using ground anchors, drill holes at the recommended spacing (usually 4–6 feet apart). Insert anchor bolts and secure with nuts.
3. Frame Assembly: Attach the steel frame to the anchors using the supplied bolts. Tighten all connections to ensure stability.
4. Panel Attachment: Slide the HDPE panels into the frame. Use the locking mechanism to secure each panel.
5. Final Checks: Verify that all panels are firmly attached, the barrier is level, and the anchoring system is secure.
6. Safety Verification: Conduct a quick load test by applying moderate pressure to the panels. Ensure no deformation occurs.

Maintenance Tips

To keep the DS 70 in optimal condition, follow these simple maintenance practices:

- Inspect the barrier monthly for signs of wear or damage.
- Clean panels with mild detergent and water; avoid harsh chemicals that could degrade HDPE.
- Re-tighten bolts and anchors annually.
- Replace any damaged panels immediately to maintain safety integrity.

Case Studies: Real World Success Stories

Case Study 1: High Rise Construction in New York City

A major construction firm in Manhattan faced challenges with falling debris from crane operations. By deploying the Ardex DS 70 around the work zone, the company reduced fall incidents by 75% within the first month. The modular design allowed workers to quickly adjust barrier heights as the building progressed.

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