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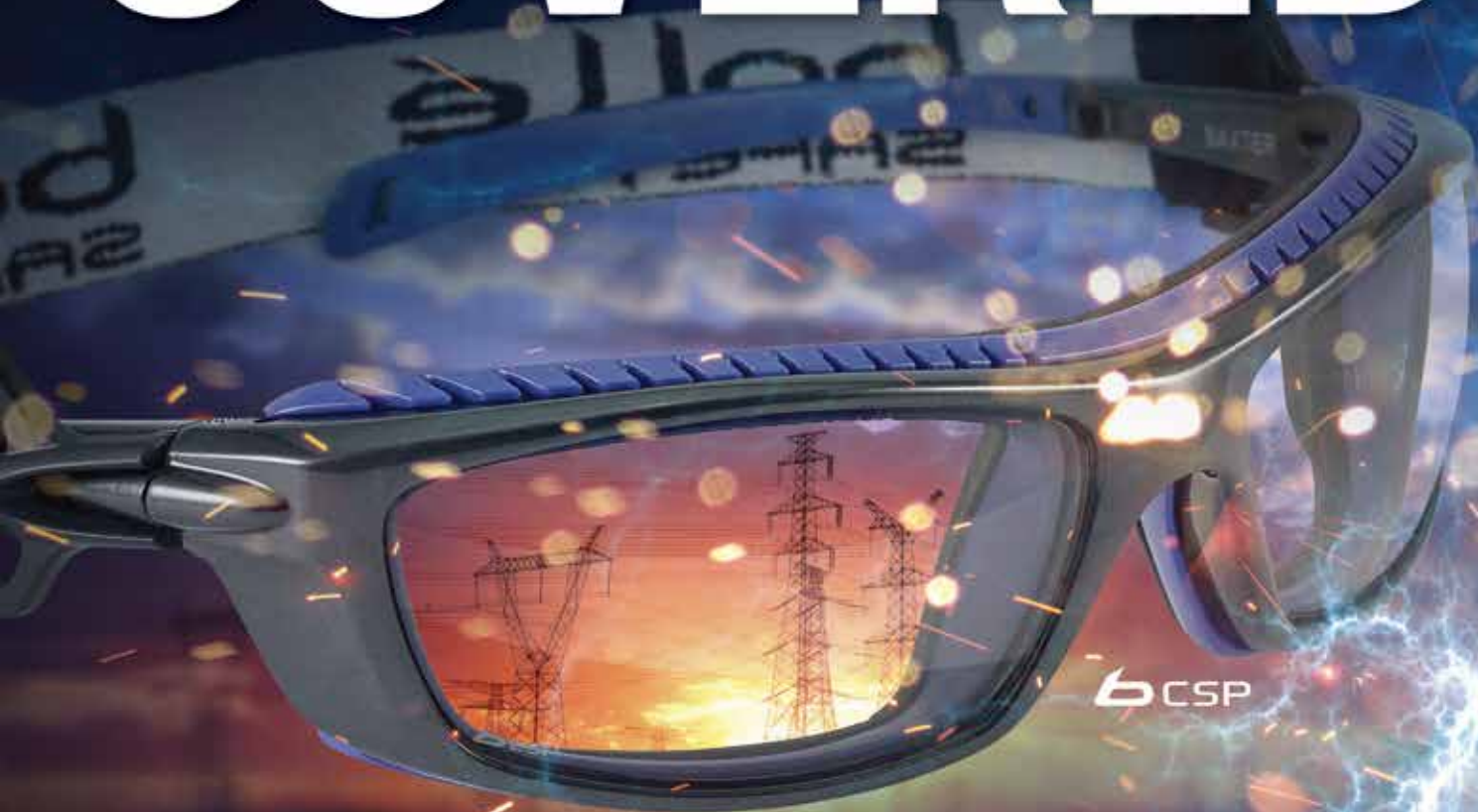
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Damage Free Sign Labels for Industrial Use



Sign labels that can be printed with laser or ink jet printers in minutes and removed cleanly from most surfaces serve to notify, instruct, and even protect personnel in just about every area in a facility

Throughout industrial plants and warehouses, signs are posted virtually everywhere from the production floor and inside the warehouse to staff offices, conference rooms and even the break room. In most facilities, there is virtually no room or area spared from these notifications, instructions or warnings, whether informal or mandated by law.

Signs everywhere

Signs are used in multiple ways throughout industrial facilities. In lean manufacturing, signs are often used to establish operating instructions, procedures, processes, checklists and scheduling. In HR, signs give notice, rules, and

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reminders to personnel. In offices, signs are used to identify locations, prohibit smoking, and request visitor sign in. In break rooms, signs spell out refrigerator rules and remind staff to keep the premises clean.

Because many of these signs are located in industrial environments and not in pristine commercial offices, the sheets of paper, cardstock, sheet protectors, laminated sheets, and posters used must stand up to a harsher environment.

This is where the problem lies. Since many of the options used for ad hoc signs are not designed specifically for industrial spaces, they are not resistant to the moisture, chemicals, greases, etc. often found in such environments. As a result, they are damaged easily and must be replaced frequently.

Many signs can also cause considerable damage to the underlying surfaces when taped, tacked, nailed or screwed

to walls, glass, or equipment. Sign removal can also leave behind unsightly residual tape or adhesive. This is exacerbated when signs include information that is regularly updated or changed.

The ideal solution would be signage that is easy to install, durable enough to endure harsh conditions, yet comes off easily when necessary, leaving no trace.

“Industrial labels used as signage must be more durable than those used in an office, but also should remove cleanly when they need to come down,” says Tina Huff, Group Product Manager at Avery Products Corporation. For us, the key to accomplishing this was developing an adhesive that holds well but can be removed when needed. Achieving that balance is harder than it sounds.”

As the result of this effort, new Avery Surface Safe Sign Labels have an exclusive and proprietary construction specially engineered to stick securely yet remove cleanly without damage or residue from painted walls, doors, windows, and other interior surfaces.

These “labels used as signs” are made of durable, industrial-grade material

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that resists water, chemicals and even abrasion. Available in a variety of sizes, they print easily on standard laser or inkjet printers, opening a world of possibilities for custom, do-it-yourself signs.

Unlike standard office labels with a paper substrate, the topcoat of the industrial sign labels is waterproof and chemical resistant, while its polyester substrate is a durable, scuff and tear-resistant film.

These qualities are ideal for safety-related signage mandated by regulation or required by company policy.

For instance, facility managers and safety officers or engineers will want signs compliant with OSHA 1910.145 (Specifications for Accident Prevention Signs and Tags) and ANSI Z535.4 (Product Safety Signs and Labels).

Although standardized safety signs can be purchased out of catalogues, there is often a need to modify or customize mandated signage as conditions or formats change.

On-demand printing solutions have traditionally required a large upfront investment of thousands of dollars, including a specialized sign and label printer, software, labels, and ribbons.

In response, industry innovators such as Avery Products Corporation have developed a simplified, flexible approach using standard laser and ink jet printers. The company's free online Design and Print Software enables customizable printing utilizing OSHA/ANSI compliant templates.

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Employees can create and print their own informal, official, or compliant labels from pre-designed templates or create them step-by-step on demand at their desk. Most employees find the process intuitive, since it resembles creating an office document from pre-designed templates.

With all the signage used throughout an industrial setting, the ability to conveniently print new sign labels in minutes and cleanly remove the old will go a long way toward keeping the whole facility safely up to date without the hassle, mess or cost.

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 those sites are in compliance with your Global EHS compliance and
 risk programs?



Topic	Question ID	Audit Questions	Auditor Guidelines
CheckPoint® Office Audit Protocols Environmental Health And Safety	CHICAGO-Alarm Compliance	Alarm Systems -	
OFFICE: ALARM SYSTEMS	OFF-130.1.US	1. Does the facility have an employee alarm system? Cite: 29 CFR 1910.135(d), 29 CFR 1910.135	An employer must have and maintain an employee alarm system that is able to be heard, seen, or otherwise perceived by everyone in the workplace. The employee alarm system must be distinctive and recognized by all employees as a signal to evacuate the work area or perform actions identified in the ERP/SAP.
OFFICE: ALARM SYSTEMS	OFF-130.2.US	2. Is the employee alarm system tested annually? Cite: 29 CFR 1910.135(d)(4)	Employee alarm systems must be tested at least annually for reliability and adequacy.

G. AUDIT QUESTIONS

Date: _____

Facility: _____

Auditor: _____

Question ID	Audit Questions	Auditor Guidance And Notes-Audit Questions	Y E S	N O	N A	Comments
ERGONOMICS						
OFF-140.1.US	1. Are workstations configured so that employees can achieve ergonomically correct working postures?	Workstations should be configured to prevent common ergonomic problems. The computer keyboard and mouse should be within easy reach and at a comfortable height (elbow high), the keyboard and monitor should be aligned, and the screen should be at or slightly below eye level. There should be no under the desk storage.				
OFF-140.2.US	2. Are chairs used at workstations adjustable and in good condition?	Chairs should be so that employees can work in a comfortable seated position, with good body support. Chair height should allow feet to rest flat on the ground with thighs parallel to the				

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Future Profits Going “Down the Crack”? Little Ooops, Add Up to Big Future Problems!



Many tanker truck loading or unloading site managers have far bigger problems than to chase after careless workers who set up spills and accidental releases. Some of the most common errors are breaking hose connections while the hose is still under slight pressure, or “cracking” a valve just to see if the pipe is full, or even throwing aside a “just used” hose and allowing it to drain out on the grass or driveway. Unfortunately, the real cost of this carelessness often doesn’t hit the company until many years later when the EPA or other agencies detect contamination in the subsurface water down gradient from your facility.

Back in the mid-80’s, as manager of facility planning for Safety-Kleen Corp., I was leading a management team evaluating a possible site for a regional truck-to-rail used motor oil transloading operation, just north of New York City. On the surface, the site had a good condition railroad spur track, plenty of flat land to build tanker truck parking and good access to major feeder highways around the city. As was our practice, our investigation team member environmental staff shortly after hired a well drilling firm to place sample wells and then do a detailed analysis of what they found.

The analysis showed excess quantities of tannic acid. This triggered both our environmental staff and the state’s staff to attempt to find the source of this contamination. Further research uncovered that a leather tannery had been closed about twenty years earlier and it was over five miles up gradient from these current sample wells. Spills from processing vats and/or tainted surface water from tanker unloading operations had slowly migrated from surface water down into the immediate subsurface aquifer and continued its slow flow for years.

In yet another incident close-in to Kansas City, Kansas, we were evaluating a possible used motor oil truck-to-rail transloading site owned by the (then) Santa Fe Railroad. Upon sinking sampling wells and detailed sampling of the water, we recorded high concentrations of insecticides and pesticides. This was much simpler to identify the source. A large agricultural chemical company had their regional warehouse about a half mile up gradient from this potential transloading site. They apparently had spills or just washed inside spills out the door or loading dock ramps. We continued our search elsewhere.

At all transloading sites or plant loading racks, concrete slabs are usually poured to contain any releases from that operation. Unfortunately, these slabs get tainted with spilled chemicals and/or oils and local rainwater gets contaminated upon contact with the slab. The big question here is how good of a barrier is this concrete pour? A quick review of conventional concrete pouring is in order. Most concrete slabs are poured over a compacted bed of crushed rock or small pebble “river rock” and sand. This underlayer is a very porous “sponge” for any liquids that get down through cracks in the poured slabs. Because of thermal expansion and settling, usually tar based expansion joints are set in between poured sections of the truck loading containment basin. These joint should be regularly inspected because this “down the cracks” is one primary way contamination gets into the groundwater and starts its migration. If these built-in expansion joints are loose or have been deteriorated by years of hot sun on the containment basin slab, they need to be replaced with new materials that can stand up to whatever materials that may be released onto this basin.

RegScan Country Monitor

Published monthly and authored by environmental lawyers, the RegScan Country Monitor covers the same topical areas (listed below) as our global legal registers and audit protocols. Our globetrotting experts review multiple sources for crucial regulatory developments, and provide clear analysis on what they REALLY mean for EH&S professionals.

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- ⊕ Transport of Dangerous Goods
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If you decide to replace these expansion joint seams, they need to be cleaned out of all sediment and former expansion joint material. A pressure blast (compressed air) should be used and a simple wood rasp used to clean both sides of the grooves. Next, use a quality epoxy glue and “butter up” both sides of the groove to a depth of at least 2”. Depending upon the width of the cleaned groove, select a replacement material. I’ve had excellent result using conventional “backer rod” used by brick masons to repair weakened masonry joints in brick walls. Select this closed cell polyethylene “foam” rope so that when it is compacted into the groove it will be flattened by 50%. If the cleaned groove is ½” wide, then purchase ¾” diameter “backer rod”. Push this rope down into the “battered” groove so it is lower than the normal ware surface. You may want to top this polyethylene foam rope later with a standard concrete caulking material.

While the previous discussion on loading rack slabs may be part of your solution, let’s take another look at the expense of “casual” releases. There’s a quip in the environmental business **“Dilution is not the Solution to Pollution !”** What about the tainted rainwater or the usual “just hose it down water” that ends up in your loading rack’s drainage storage tank? The more rainwater that is exposed to your tainted truck loading slab, the more tainted water you have to pay to process! Does

it not make dollars and sense to capture the release BEFORE it hits the slab?

This is where real effort is needed to reduce your monthly disposal expenses and stem long range expenses from “down the crack”. Using adequate spill containment is the key. (Note in the photo.) A tipsy, 5 gallon plastic pail is a poor spill containment tool. Just the manual movement of the delivery hoses will tip it over onto your slab. A wide based collector pan would be much better but here again, a “sawed off 55 gallon drum” or wash tub with a few gallons of “spill” in it is difficult to move around (for emptying) without spilling it on the loading rack slab.

Another likely groundwater contamination area of your transloading operation is your railroad trackside. The loose ballast placed there by the railroad construction is in fact just another “gravel stream bed” at the surface. The primary purpose of the ballast mound of loose gravel is to allow rainwater to quickly drain away from the wood ties and to allow the ties to absorb the extreme weight variations caused by a passing tank car wheel. This ballast bed, under the ties, may be 2-3 ft. deep and goes continuously out to the railroad’s main tracks. Spills originating from broken hose connections or overflows will travel “the path of least resistance”.

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This situation, too, can be avoided by having railroad track spill containment pans along the railroad rails at the loading racks. The vast majority of releases happen within about 5 ft. of the bottom hose connection or the overhead dome area. The releases or overflows will run down the outside surface of a tank car and will drip off about anytime. The personnel ladder up to the tank car's dome control area often causes this "rundown" to spray outward, way past the rails.

There are many designs of railroad track spill containment pans. The "initially" cheapest approach is to purchase open pans. These will collect rainwater, contaminate it with residue in the collector pan and then drain into your holding tank and greatly add to your operations' disposal costs. A much smarter approach would be to purchase both between the rails and outboard of the rails collector pans that can be closed up between loading operations. A typical open track pan installation may be 12 ft. wide by 20 ft. long. **For every 1 inch of rain over this "open" rail transloading spill containment basin, you'll collect 150 gallons of contaminated water that needs to either be processed on-site or hauled off by a contractor.** Check with you local weather office to find out your annual rainfall and then do the math. Are you really saving money by purchasing open track pans?

Another weather related spill containment issue is snow and ice accumulation. The labor invested to shovel off a truck loading rack spill containment basin or to chip out the ice from a frozen railroad track pan is a sizeable labor expense. How often each winter do you have to do this? After each storm, how many manhours each are invested? Often the practice is to just shovel the "tainted" snow and ice off to the outside of the containment and let it thaw with the spring weather. Now where do you think that tainted meltwater will go?

These types of environmental surprises and liability may be averted by careful review of your tank car and tanker truck loading or unloading facilities. Nearly all leaks, overflows, broken lines/hoses etc. involve chemicals/oils that should not get into our streams and drinking water sources. The legal ramifications of these "Oops" events will definitely affect the companies' bottom line but some of the damage may not be seen for many years.

You may think that spill control and groundwater contamination is a small issue but ignoring it will be just putting your profits, "down the crack".

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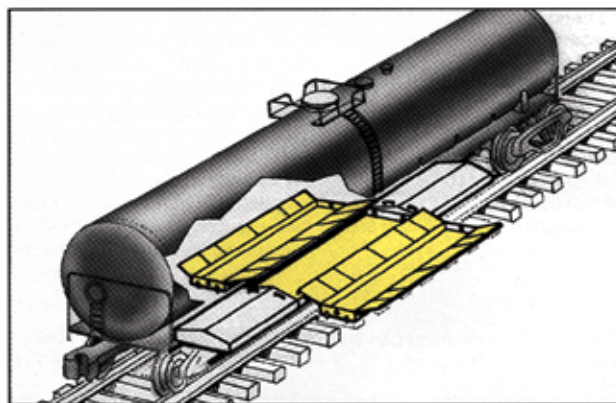


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New Draw Bar Cover from Rockford Systems Prevents Injuries to Vertical Mill Operators, Helps in OSHA Compliance

Vertical mills are essential cutting tools in machine shops used to remove material from the surface of metal workpieces. However, these tools present serious danger when an operator comes into contact with their high-speed rotating draw bars, resulting in injuries and costly OSHA fines.

To bring needed safety to the shop floor, Rockford Systems, LLC., a premier provider of machine safeguarding products and services, has launched a new Milling Machine Draw Bar Cover (part #DBC001) to protect vertical mill workers from rotating shafts seven (7) feet or less from the floor or working platform. It guards the turning draw bar with a non-rotating, smooth, welded-steel enclosure, secured firmly to the mill with a powerful ring magnet and safety anchor chain. Simple to install, the draw bar cover prevents clothing, hair or hands from being grabbed by the moving shaft.



According to Jason Swisher, Rockford Systems Production Manager, "Our new Draw Bar Cover features high-quality construction with smoothed welding seams and finished edges, designed to protect mill workers from hazardous rotating drawbars. It was engineered with input from machine makers and operators to ensure that it gets the job done right."

This product can be used on any vertical mill that has up to a 7" extrusion. It compliments the full line of Rockford Systems milling machine guards, shields and controls that protect thousands of workers everyday around the world.

OSHA COMPLIANCE

Installation of the Draw Bar Cover helps machine shops comply with the OSHA 1910.219(c) (4)(i) safety standard that states: "*Projecting shaft ends shall present a smooth edge and end and shall not project more than one-half the diameter of the shaft unless guarded by non-rotating caps or safety sleeves.*"

Lack of machine guarding or improperly installed safeguarding equipment was one of the top ten most cited OSHA violations in 2015, resulting in millions of dollars in fines levied against businesses. Injuries, as a result of improperly safeguarded machines, also lead to higher insurance costs, lawsuits, and hospital expenses. Although safety equipment and proper machine controls are required by OSHA, many manufacturers sell machinery without either, leaving the business with the responsibility of safeguarding the machine.

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Focus on Locomotives

The locomotive refueling track in the San Ysidro Yard received a major improvement with the addition of new, special designed spill-containment pans from Trans Environmental System, Inc. (www.transenvsys.com). These heavy-duty, steel track pans were specifically designed for railroad tracks where PANDROL clips were used instead of traditional driven-in railroad spikes. West Coast General Corp. installed them with a minimum effort.

These open track collector pans were designed to TESI's patent pending design so heavy duty, drop-in matrixes could be later added so tanker trucks and other heavy yard road equipment could also use this fueling facility. Calumet-Superior Oil Refinery company in Superior, WI has been using this model since 2009. These pans are equipped with NPT drains in the ends of each pan set and a flat bottom. This design allows for easy cleaning and blown-in debris will not clog a floor drain like in typical open track pan.

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- English
- Chinese
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- Italian
- Japanese
- Malay
- Portuguese
- Spanish

Educational Resources

Webinars

RegScan understands that staying in compliance is critical. But it doesn't have to be complicated. That is why we host webinars several times throughout the year that help our clients tackle ever-evolving problems in the EHS industry. Prior topics covered included regulatory overviews, the Changing Role of the EHS Manager, and ISO 14001:2015. Such topics specifically address the newest industry standards while banishing compliance confusion, provide necessary tools to manage today's EHS challenges and reduce time and money spent on compliance activities.

Tutorials

RegScan also produces a number of helpful videos for our users. They answer most commonly asked questions on using the RegScan One interface. You may wish to visit our Informational & Tutorial Videos Page prior to submitting a ticket to see if your question can be answered with the assistance of one of these videos.

Quality Suite

RegScan has introduced audit protocols and checklists geared to quality management in healthcare. They cover the basic ISO 9001 and Quality Systems, Medical Devices (United States and the European Union), and Pharmaceuticals.

I-Comply Checklists have been added to provide Environmental, Health, Safety, Security for Data Centers and Offices. When you still have EH&S issues, but not the intensity of a manufacturing opera-

tion.

Tracking Regulatory Change

Strikethrough

Strikethrough allows you to effortlessly see the amendment history of a regulation by comparing the current regulation with an earlier or future version. Changes are easily identified by color-coding. Anything that has been added will appear in green, while anything that has been deleted will appear in red.

My WatchList

My WatchList is a custom regulatory change management tool that allows you to monitor change at various levels of detail. It gives you quick access to only the information you need, while providing a clear record of what you have and haven't reviewed. My WatchList is the easiest way for a Web Services user to build a custom regulatory register, which RegScan will automatically export to your online environmental management system.

LookOut Email Alert

By defining specific keywords or phrases, LookOut allows you receive daily Email alerts on State or Federal regulatory changes.

RegScan Customer Support

As part of our ongoing commitment to improve the RegScan user experience, we use a ticketing system for customer support inquiries. This allows us to streamline requests and better serve you. Available 24/7, the ticketing system

allows you to immediately report an issue and track the support team's response to it. Every support request is assigned a unique ticket number. For your reference, we provide complete archives and history of all your support requests. A valid email address is required to submit a ticket.

Schedule a Demonstration

The RegScan team will gladly demonstrate any of our products or services for free. Our online demonstration sessions can accommodate up to 25 people, and we will schedule a meeting whenever it's convenient for you. During these interactive demonstrations, our experienced staff will go through whatever products or services interest you. You'll also have the opportunity to ask questions, and discuss licensing options that are tailored to your needs. If you decide to purchase, we can take of your training and support needs too. We frequently update our library of training videos, and we'll be happy to arrange online or in-person training sessions. Furthermore, our in-house technical support team is always available on weekdays (except for holidays) between 8 a.m. and 8 p.m. Eastern time, and online 24/7.

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JESCOHUSKYDUMPERS®, wire partition systems, industrial guard rail systems, wire tenant storage lockers, industrial shelf carts, LP cylinder cabinets, machine guarding just to name a small portion of the products we offer to our customers. Our products are built to be the best in the industry and it is the reason customers keep coming back. Your satisfaction for a project well done is what really counts when the day comes to a close. We look forward for an opportunity to be able to assist your next industrial guarding or material handling requirements. Check out the full product line shown on the website at www.jescoOnline.com

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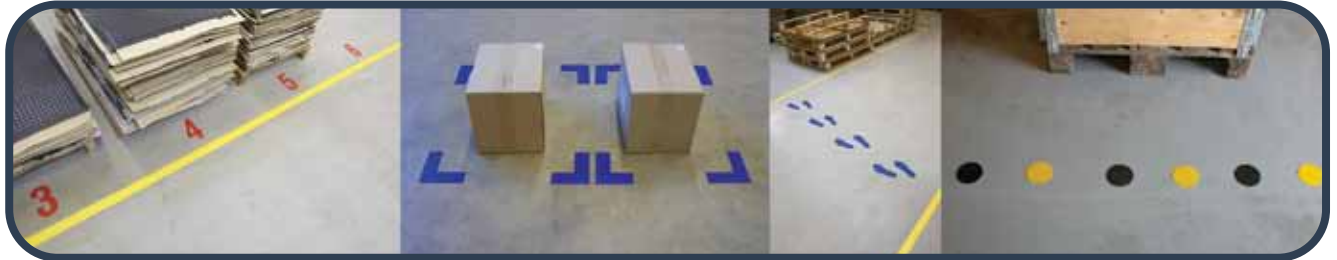
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