



A Word about DENIOS, Inc Spill Pallets and Sumps.

Spill pallets and sumps are designed to provide containment sometimes referred to "secondary containment" to capture spills and leaks from stored hazardous materials. DENIOS, Inc. has 15 years of worldwide experience in the manufacture of spill pallets. We have the largest selection of sizes and materials of spill pallets of anybody in the business. Our full-time engineering staff keeps track of the latest regulatory changes and recommends product updates to keep the DENIOS product line the best in the business and insure that you, our customer, will always have the best spill pallet for the job.

Regulations and Sizing

Spill pallets and sumps are regulated in many codes including the Uniform Fire Code (NFPA 1), the International Fire Code (IFC), the Code of Federal Regulations (CFR) and even some State and Local regulations. Fire codes require that containment pallets be compatible with the material being stored and that they contain up to 110% of the volume of the container or 66 gallons minimum capacity for drums.

The typical 350 gallon IBC tote requires 385 gallons. Federal regulations require holding capacity for the largest container stored or 10% of the aggregate volume whichever is larger. In addition, Spill Sumps and Pallets used out of doors are required by most fire codes and the EPA to either use a complicated formula to calculate additional capacity for rainwater or be covered or enclosed preventing rainwater from accumulating in the sump area.

Types of Secondary Containment



Pallets generally have "feet" that allow them to be handled with material handling equipment and a platform, usually manufactured from bar grating, that allows the stored material to be kept up and out of the sump per Federal Haz-Mat regulations.



Sumps generally do not have "feet" and rest directly on the floor or ground. They may or may not have grating or another type of platform to support stored materials. Sumps without grating are generally used only for containing small cans (5 gallons or less) and platform models are highly recommended for drum storage. It should be noted that non-platform models do not comply with 40CFR 264.175 because they allow stored containers to have potential contact with spills.

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Transport Pallets have "feet" to allow material handling equipment and permanent or removable sides of railed, chained or solid construction to allow material to be carried on them while maintaining compliant containment.



Enclosed Pallets are designed to address the almost universal regulation that spill sumps need to be protected from the elements (unless they are sized to accommodate both a major spill and a record 24-hour rainfall). DENIOS offers a number of enclosed pallets in various sizes. For larger capacity enclosed storage, review our full line of Lockers, Buildings and Cabinets.

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Sizes and Chemical Compatibility

DENIOS offers spill pallets and sumps in four different materials and more than five sizes to be sure you get the right Containment System for the job. For flammables and other hazards, DENIOS steel spill pallets are the right choice. Each DENIOS steel spill pallet has a minimum capacity of 66 gallons for drum models and 385 gallons for IBC models. They are manufactured from continuous welded steel almost 1/8" thick and coated with chemical and UV resistant acrylic enamel as standard. **Every weld on every DENIOS steel spill pallet is 100% tested and certified leak free.**



If your needs are for even tougher materials, hot dipped galvanized bodies and even 304 stainless steel are available as standard products. Of course all DENIOS steel containment pallets feature 100% hot dipped galvanized bar grating for strength, corrosion resistance, and spark resistance. Fiberglass grating is standard with stainless steel products.



If you are storing acids or corrosives, DENIOS Poly Pallets with plastic or fiberglass grating are the usual choice. They are available in 2 and 4 drum models as well as sizes for both 1 and 2-350 gallon IBCs.



Beyond Pallets, we offer the widest range of storage products including Shelving, Racking and Spill Decking.