



Scaffold storage extension open view.



Roll out drawers on left side of cabinet.

Scaffolding Makes Nifty Tool Cabinet

Leonard Wranosky converted old Baker scaffolding into a rolling storage unit. The scaffolding is only 29 1/2-in. wide and easily adjustable. It includes lockable casters and can be stacked.

"I used the scaffolding for a framework to build a tool storage cabinet that's about 7 ft. long and 6 ft. tall," says Wranosky. "I attached 2 by 4s to the scaffolding and 3/4-in. plywood for the walls, with a foot-deep cabinet extension on one end."

Wranosky used 2-ft. deep roll-out shelves in the main cabinet. He designed the double front doors with 6-in. recessed interior shelving. He mounted a whiteboard at the extended end. A corkboard in the center makes it easy to post notes, business cards and other reminders. A set of Sharpies attached to the whiteboard is handy for planning.

On the back side, Wranosky mounted a bench with a bar across the top to hang extension cords, electrical wiring and other supplies for small jobs.

"I didn't have a plan when I started," notes Wranosky. "If I have something on my mind, I'll start it. I may change my mind as I go. I did the cabinet on a whim over a month or so of time."

He's more than satisfied with how it turned out. Tools and supplies are easy to find, and the cabinet is stable. He admits he may not be finished with it yet.

"I'm thinking about expanding it," notes Wranosky. "I may do another platform on top of the cabinet for things I seldom use."

Contact: FARM SHOW Followup, Leonard Wranosky, 3560 Ross Dr., Columbiaville, Mich. 48421 (ph 586-531-3225).

Fluorescence Helps Identify Coating Defects

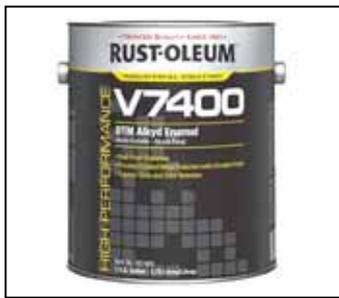
Jim Deardorff has preached the gospel of reducing rust and corrosion through high-quality metal finishes for more than 30 years. With 14 stories in FARM SHOW, mostly on products and techniques to protect metal, he's our resident coatings expert. One of his favorite methods for preventing rust is to apply a primer with a fluorescence additive (Vol. 16, No. 5) and shine a black light on it. His concept is now being introduced commercially.

"Rust-Oleum Corporation has introduced V7400, the first self-inspector coating," says Deardorff of Superior Coatings. "V7400 is a high-solids alkyd coating that can be brushed, rolled, or sprayed. It produces a smooth, hard, durable finish, guaranteed to stop rust for two years or more."

What makes V7400 special is that it's formulated with a defect indicator based on UV-activated blacklight fluorescence. The additive was developed by Deardorff in the early 1990s. At the time, he was working with the University of Missouri and Ciba-Geigy in Tarrytown, N.Y., to produce a fluorescent response for paintings and coatings. With the additive in the paint, workers using a black light can identify film-coverage defects much more effectively and efficiently.

"The average worker with 20/20 vision can locate a coating defect approximately 50 microns in size," says Deardorff. "However, it requires good lighting and adequate time for a careful visual inspection. The same worker using a black light with this additive in place can easily locate the same defect, even in low light or during production painting operations."

He lists some of the benefits, including



What makes V7400 special is that it's formulated with a defect indicator that uses UV-activated blacklight fluorescence.

ensuring complete coverage of welds, joints, and corners. Using a black light also reduces material waste from over-application, improves maintenance recoating, and reduces premature coating failure. He recommends The uvBeast black light (Vol. 48, No. 2).

Deardorff estimates that black-light enhancement improves defect detection by up to 1,000% over the human eye alone. Undetected defects allow rust to develop.

"According to a University of Windsor study, rust can penetrate metal up to 2 in. per year," says Deardorff. "Detecting defects stops rust before it can start. With a good finish, you can reduce unplanned repairs and early replacement expense and enhance trade-in and resale value."

Contact: FARM SHOW Followup, Superior Coatings Co., 205 McCormick St., Chillicothe, Mo. 64601 (ph 660-973-9489; info@classicblast.com; www.classicblast.com).

FARM SHOW®

Money-Saving Repairs & Maintenance Shortcuts

Have you come up with any unusual money-saving repair methods for fixing farm equipment? What maintenance shortcuts have you found? Have you had any equipment recalled by the factory? Name a particularly tough mechanical problem you've had with a piece of equipment and how you solved it.

These are a few of the questions we asked randomly selected FARM SHOW readers. If you have a repair tip, maintenance shortcut, or other mechanical experience you'd like to share, send details to: FARM SHOW, P.O. Box 1029, Lakeville, Minn. 55044 or email us at: editor@farmshow.com.

Scott Geyer, Editor & Publisher



Andrew Jossund, Hendrum, Minn.: "I insert a kid's foam ball into the fill space of an oil can. It's an easy way to keep out dirt. It plugs the hole but is easy to remove for refilling."



"I also keep a 1-gal. glass drink dispenser in the shop, filled with diesel fuel. It's handy for filling new filters and a lot easier than pouring fuel from a fuel can."

Dale Freeman, Monroe, Va.: "Moving my auxiliary diesel fuel tank in and out of my truck bed with forks can be tricky. It came with angle-iron pieces at each end and along the sides of the tank. I bolted a piece of 1/8-in. steel plate to the angle irons."

"I attached a piece of heavy-duty angle iron to the front of the steel plate to provide a little more protection when approaching the tank with forks. I also added a double set of 3 by 3-in. tubing under the ends of the plate. The tubing creates plenty of space for my forks to set the tank down in the truck

bed. The space is also helpful when I set the tank down on a caster cart for storage in my shed."



"I added some 1/2-in. round stock on the side to retain coiled hose. It's easy to slip the hose out when pumping fuel, but it keeps it from getting messed up when not in use."

"I picked up a mineral feeder at the farm store and attached it to the top of the tank. It's a great place to store the fuel pump wiring."

Roger Gutschmidt, Gackle, N.D.: "I have a tip for anyone with a diesel that has a weak battery or is otherwise hard to start. I was working on a customer's diesel and, as I started it, happened to turn the steering wheel. It started right up."

"I realized that turning the steering wheel gave the hydraulic oil a place to go, reducing the effort needed to start the engine."

Dan Ashburn, Bloomfield, N.M.: "I needed a hydraulic on the back of my Ford 8N to run my backhoe. My 8N has a loader with a front-mount pump and a two-way hydraulic system to dump/curl the bucket. I added some Pioneer male ends to the steel lines for the loader bucket and got some long hoses with female ends that'll reach the back of the tractor. When I need the backhoe, I unplug the loader bucket and plug it in. The loader still goes up and down, and the backhoe works. For less than \$100 for the hoses and Pioneer ends, I added a hydraulic to the back of my tractor."

"To run waste oil through a pre-emissions diesel, I use an oil pump from a small-block Chevy, with minor mods, to pump the oil through a filter, then mix it with my diesel and run it year-round with no problems."