

New Spray-On Material Helps Put Up Buildings Fast

Grancrete® is more than twice as strong as traditional concrete and can be sprayed over a wide variety of surfaces, making them waterproof and fire-resistant, according to the manufacturer of the remarkable new building material.

Structures made with the non-toxic substance can also withstand extreme temperatures without cracking, and are termite and vermin proof. When combined with EPS foam, Grancrete is also a very efficient insulator for both heat and sound, according to Grancrete LLC in Mechanicsville, Va.

This product was originally developed for heavy construction, but is now available for residential and commercial projects. The sprayable, concrete-like product lets you build structures faster than traditional methods.

Besides spraying, it can also be poured on or troweled. When poured, Grancrete self-levels without troweling.

It will bond to EPS foam, concrete, cinder block, brick, wood, metal, and even itself. This means you can use it to repair itself in a situation where it gets damaged. Two things it won't adhere to are hard plastic and glass.

It takes only 15 to 30 minutes to cure (depending on the ambient temperature), so workers are able to build very durable structures quickly and economically.

"Complete homes can be built in a frac-

tion of the time required for conventional construction," says Jim Paul, owner/president of Grancrete LLC. "Our special construction materials and versatile construction method allow complete design flexibility. Barns, shops, schools, factories, jails and even luxurious homes can all be built with the same ease and speed as the basic shelter home."

One low-cost construction method is using Grancrete to coat EPS foam. These foam panels, blocks and equipment can be obtained from foam-producing companies located across the U.S., according to Paul.

"Depending on where you are located, we can give you the names of EPS foam producers in your area," he says. "Construction costs can be lowered further by having some components of the building prefabricated by the foam producers, while the main structural material - Grancrete - is mixed right on the site."

Grancrete is currently available to anyone, in limited quantities, directly from the manufacturing plant. Anyone wanting to use it for major building projects, however, must either be licensed by the company, or hire the existing licensee for that geographic area.

Licenses are properly trained by Grancrete LLC's staff to build quickly and efficiently using the Grancrete system," Paul says. "Wherever possible, all components are



Grancrete, a sprayable, concrete-like product, can be sprayed over a wide variety of surfaces, making them waterproof and fire-resistant, according to the manufacturer.

purchased locally with the exception of the proprietary chemicals used to manufacture the Grancrete structural material. These are shipped directly from strategically located facilities around the world."

Grancrete is a phosphate-based powder. It costs \$23 per bag, and one bag will coat a 15-sq. ft. area at 5/8-in. thickness.

Contact: FARM SHOW Followup, Grancrete LLC., 7110 Swindale Ct., Mechanicsville, Va. 23116 (ph 804 730-0023; fax 804 730-1704; chemicasa@aol.com; www.grancrete.net).



Structures made with Grancrete can withstand extreme temperatures without cracking, and are termite and vermin proof.

Hayland "Float" Flattens Fields

The 350 Hayland Float will rid your land of mole hills, humps, and hollows, according to Westward Products Ltd. in Red Deer, Alta.

The implement was originally marketed as a rental unit to fertilizer dealers who were using it to apply fertilizer while also leveling out the land (a tank was added in front, and dribble tubes in the back).

"It became apparent there was a market for hay producers, so we added it to our product line," says Len Schultz, company representative.

Now the unit is used to level pastures, hay meadows, and other areas, and provides an economical way to prevent expensive repairs to haybines, discbines, balers and forage harvesters. It also helps to reduce livestock injuries.

The unit is made of tube steel. The tow hitch is self-leveling and hydraulically adjust-

able to raise or lower the amount of pressure applied to the ground, depending on conditions. The rear tubes on the wings and frame are loaded with steel punchings for added weight.

The 3,800-lb. rig incorporates two 1100 by 20 used military tires, and its wings lift hydraulically for transport. The working width is 35 feet.

The 350 Hayland Float sells for \$12,625 (Can.).

Westward Products has a number of U.S. dealers in addition to its Canadian distribution network.

Contact: FARM SHOW Followup, Westward Products Ltd, Head Office, 6517 - 67 St., Red Deer, Alta., Canada T4P 1A3 (ph 403 340-1160; fax 403 343-6910; info@westwardparts.com; www.westwardproducts.com).



The 35-ft. wide Hayland Float is used to level pastures, hay meadows, and other areas.

Grapple Fork Made From Old Cultivator Shanks

Heavy duty, loader-mounted grapple forks can be made from old cultivator shanks, says David McKenzie, Delisle, Sask., who uses his home-built grapple on a Zetor tractor equipped with a Buhler front-end loader and a 7-ft. bucket.

"I saved a lot of money and it's a great grapple. Cultivator shanks are always built strong so they stand up to a lot of tough use," says McKenzie, who used scrap metal to build the grapple fork's frame.

The grapple fork has four 2-ft. long curved shanks spaced 2 ft. apart. Each shank measures 1 in. thick by 2 in. wide. After cutting the shanks off the cultivator, he straightened them slightly in a press. Then he cut the ends down to points. The shanks are clamped to a length of 4-in. sq. tubing, which in turn is clamped to a metal frame that bolts onto the back of the bucket.

A pair of hydraulic cylinders are used to raise and lower the entire unit.

"I've used it for years but have never had a shank bend or break," says McKenzie. "I



David McKenzie used old cultivator shanks to build heavy duty, loader-mounted grapple forks. They mount on a Zetor tractor equipped with a Buhler front-end loader.



Grapple fork has four 2-ft. long curved shanks spaced 2 ft. apart. Each shank measures 1 in. thick by 2 in. wide.

use the grapple fork on my cow-calf operation to handle everything from round bales to manure to loose chopped hay. The forks open up about 7 ft. high. I came up with the idea after I saw neighbors bending or breaking the teeth on their commercial grapple forks.

"I spent only about \$500 to build it, whereas commercial models sell for \$2,000 or more. I paid \$400 for the two hydraulic cylinders."

McKenzie had earlier built another grapple fork for his Case tractor equipped with a Massey Ferguson loader. "The loader came equipped with a combination bucket, in which you could unbolt a steel plate from forks at the bottom of the bucket. However, the forks were too small so I made longer forks."

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