

Because of their strong load-bearing capability, Cor-Tec panels can be used in buildings up to 60 by 200 ft. without any inside walls.

## ONE-PIECE WALL PANELS 44 FT. LONG

# Build A Barn In A Day

Business is booming for an Ohio firm with a "breakthrough" concept in confinement housing for hogs, beef cattle, dairy or poultry. It produces seamless, one-piece barn wall panels measuring up to 10 ft. wide and a whopping 44 ft. long!

"We took a popular, proven idea from the trucking industry and applied it to farm buildings. Initial response from farmers has been fantastic," says Bill Mathison, Vice President of Engineering for Cor-Tec, headquartered at Washington Court House in southern Ohio. The firm, a subsidiary of UMC Industries, is the nation's leading panel supplier for van trailers and truck bodies.

"Our ability to manufacture foam core seamless panels in such large sizes has created a great demand in the transportation industry. We think our product has the potential of becoming equally popular and dominant in the farm building market," Mathison told FARM SHOW.

Cor-Tec's new foam core farm building panels are available in widths up to 10 ft., and in seamless, one-piece lengths up to 44 ft. long. The "sandwich" panel is made up of two sheets of laminated plywood separated by a layer of polyurethane foam. The "outside" of both plywood sheets is totally sealed with a layer of polyester reinforced fiberglass and Gelcoat. Vertical studs every 4 ft. are built into the panels for strength.

Individual foam core FRP (Fiberglass Reinforced Panels) panels are available in 1.5 to 5-in. thicknesses. "For most farm buildings, we're recommending the 3-in. panels which carry an R insulation rating of 16.2. Our 5-in. panel carries an R rating of 31," explains Mathison.

Suppose, for example, you purchased a Cor-Tec hog barn 120 ft. long and 40 ft. wide. Cor-Tec would deliver only eight "boards" to build all four walls. Each would be 8 or 10 ft. high, 40-ft. long, 3 in. thick, and

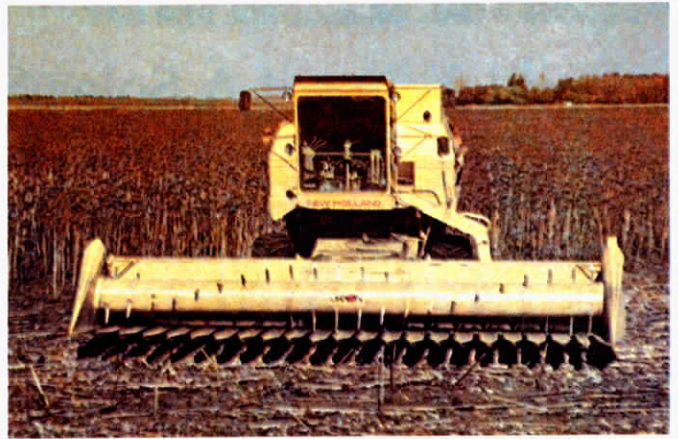
would weigh approximately 1,350 lbs. An experienced crew using your tractor loader, or a crane, would set up the complete building in about 7.5 hrs., assuming you already had installed a poured concrete or block foundation. The rafters (your choice of wood or steel and purchased locally) could be designed for your choice of either a gabled or mono-slope roof.

Mathison emphasizes that the long, one-piece seamless and self-supporting panels are well equipped to serve as load-bearing walls. "We can go up to 60 ft. wide and 200 ft. long without any inside walls," he points out. "The panels will withstand the blow of a 12 lb. sledge hammer without denting or cracking. All seams, edges and joints in the building are designed for fast, on-site assembly, allowing a sizeable barn to be built from scratch in only one day."

Once the walls are erected, the doors (and any windows, if desired) are sawed out. Each "plug" sawed out can be framed and put back to serve as the door. "Most owners are finding that the fewer the doors and windows you put in, the better. Makes it easier and cheaper to control inside air temperature and humidity. Some owners leave solid walls all the way around except for a single walk-in door on one side," according to Mathison.

Trusses rest on, and are anchored to, a 2-in. wood plate built into the top of the wall panels.

Cor-Tec supplies 1½ in. thick "sandwich" panels, containing the same but narrower layers of foam, for making room dividers and ceiling panels inside the building. "The idea is to use the same smooth and durable surface on all inside walls so they can be easily and thoroughly cleaned with a high pressure washer, and with strong detergents and disinfectants," says Mathison. "The durable



Note double spiral pattern of "fingered" reel, a Dakon Bonco exclusive.

## NO MODIFICATIONS REQUIRED IN MOVING FROM CROP TO CROP

# Sunflower Header Also Harvests Corn

You can harvest both corn and sunflowers with the versatile new Dakon Bonco header from Dakon, headquartered at Sioux Falls, S. Dak.

"In addition to being what we think is the best sunflower header on the market, you can use it to harvest corn without making any modifications," explains John Hughes, Dakon vice president and general manager. Because of its relatively low cost compared to conventional corn heads, he believes the Dakon Bonco attachment will appeal to farmers on the outer edges of the Corn Belt even though they may not raise sunflowers.

The attachment, which adapts to

polyester surface has no ridges or recesses where bacteria can hide."

Narrow panels, laminated on both sides, are also used as pen divider panels. This feature assures a total interior that is easily pressure washed clean. These pen divider panels range from 30 to 36 in. high and in lengths to fit most any facility.

Mathison adds that tests are underway to secure a fire rating for the Cor-Tec panels. "We think they offer distinct advantages in both fire protection and sanitation but we're awaiting results of laboratory tests before making any specific claims," he points out.

He notes that cost of Cor-Tec buildings "will be competitive with all other popular farm building systems now on the market. We'll be offering buildings in a choice of about 6 different colors. They never need painting, won't rust or corrode and are rodent proof."

For more details, contact: FARM SHOW Followup, Cor-Tec, Agricultural Division, Bill Mathison, Vice President of Engineering, Kenskill Ave., Washington Court House, Ohio 43160 (ph 614 335-9400).

virtually all makes of combine grain headers, consists of a drum-type reel equipped with a double spiral of steel fingers, and specially designed 9 in. wide pans and dividers which mount behind the sickle bar. Each pan is equipped with a spring-loaded "Sun Saver" attachment which minimizes stalk breakage when harvesting sunflowers and which can be left on the header when harvesting corn.

In harvesting corn, the header is operated high to cut off the stalks just below the ears. Consequently, a lot more material has to pass through the combine compared with conventional corn heads which grab only the ears.

"Having to run extra material through the combine may have been a problem with older combines which used a canvas but newer all-steel models would handle the extra material with very little extra wear and tear," Hughes points out. "For the corn grower who also runs cattle, he can remove the straw spreader and salvage a lot of low cost cow feed."

Hughes adds that, for harvesting sunflowers, a key exclusive feature of the new Dakon Bonco attachment is the "fingered" reel. With a double spiral of fingers, two fingers pass between each pan on every revolution of the reel. This virtually eliminates any plugging problems, says Hughes. The multiple arrangement of the 9 in. pans allows for diagonal harvesting, as well as straight down the rows. In corn, the pans also accommodate any and all row spacings, whether seeded solid or in rows.

Cost of the attachment, which includes the pans, reel and dividers, is right at \$100 per ft. of header width.

For more details, contact: FARM SHOW Followup, Dakon, Box 909, 1100 Delaware Ave., Sioux Falls, S. Dak. 57101 (605 336-0520).