

Reduced Joint Storage Space Floor

Cover-All Structures, Anchorage, Alaska
May 2004

Project Description:

One of the first sizeable FORTA-FERRO® projects in Alaska occurred in early May 2004. The slab-on-ground project provided the concrete floor for a unique Cover-All structure, developed by Mr. Paul Nelson. These units provide a quick-build yet durable alternative to conventional building methods. The Anchorage unit floor slab measured 120 feet x 70 feet, and contained a radiant heat component along with several central floor drainage units. The 5" thick slab required 112 cubic yards of pumped-in-place concrete, and contained 7.5 lbs. of FORTA-FERRO® structural synthetic fiber per cubic yard. To minimize future potential forklift/joint deterioration, only one saw cut was installed, resulting in two 60 feet x 70 feet slab sections. To date, the machine-trowelled floor remains essentially free of cracks and curling, and has been used as a local reference model as well as a site for technical seminars for specifiers, designers, and contractors on high-volume synthetic fibers.



Details:

Owner: Cover-All Structures, Inc., Anchorage, Alaska

Specifier: Owner Specification

Concrete Supplier: Anchorage Sand & Gravel, Anchorage, Alaska

Fiber: FORTA-FERRO®, 2-1/4" structural synthetic

Fiber Dosage: 7.5 lbs./cubic yard



FORTA®