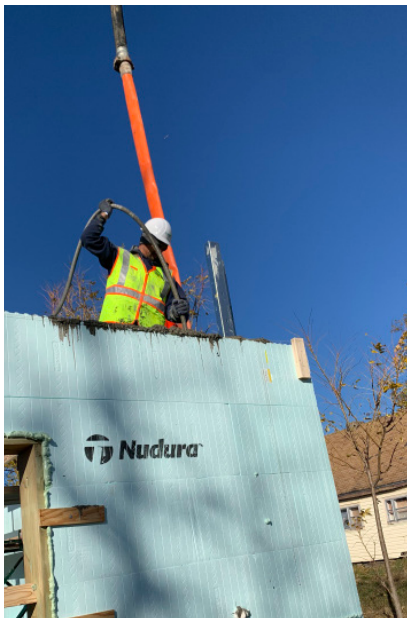
PROJECT PROFILE

JOPLIN HABITAT FOR HUMANITY ICF HOUSE



PROJECT DATA

Location – Joplin, MO

Application – Fiber Reinforcement for ICF Wall

Engineer – NRMCA

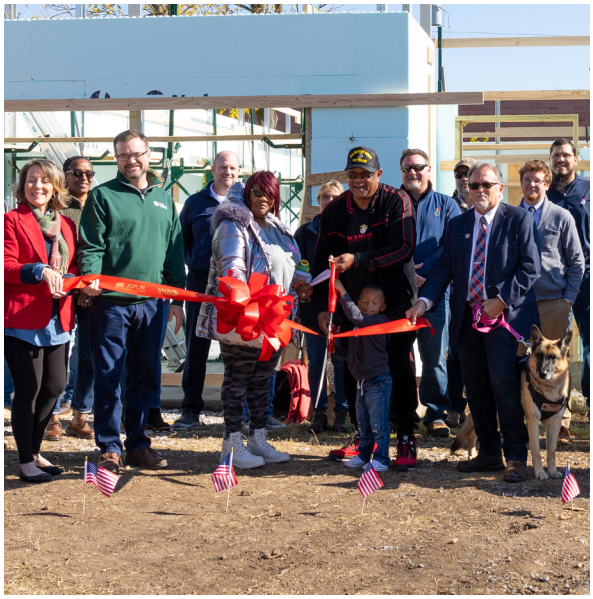
Ready Mix Producer – Joplin Concrete

PRODUCTS FEATURED

TUF-STRAND™ SF
Synthetic Macrofiber

SCOPE OF PROJECT

New home construction using Nudura Insulated Concrete Forms with Euclid Chemical fiber reinforcement



PROJECT SUMMARY

The Joplin, Missouri Habitat for Humanity recently partnered with NRMCA to construct an Insulated Concrete Form (ICF) home for a Marine Corps veteran and his son. The ICF walls, provided by Nudura, were reinforced with Euclid Chemical's TUF-STRAND SF synthetic macrofiber to reduce the amount of conventional steel located in the walls, which lowered construction costs while producing an extremely durable and well-insulated structure. The macrofiber dosage was designed and certified by an engineering firm and provided to the ready-mix producer, and the concrete was placed using a pump system. Dosage tables for future ICF walls designed for various thicknesses, heights and soil pressures have all been developed for projects throughout North America. The TUF-STRAND SF and Nudura ICF forms were donated to this project, which won a first-place Innovative Fiber Project of the Year (IFPY) award by the Fiber Reinforced Concrete Association.