

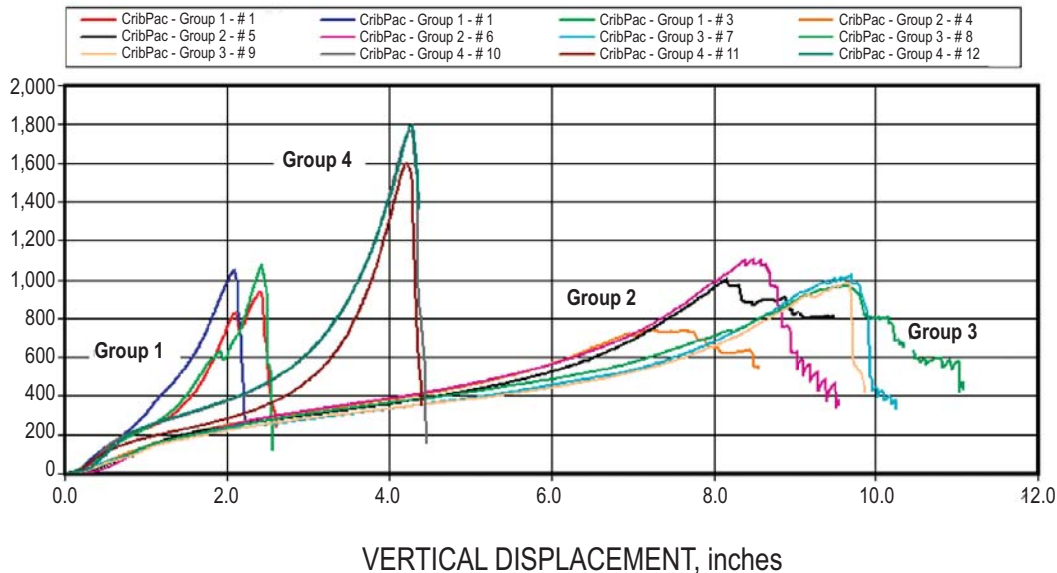


CRIBPAC SUPPORT

- ◆ Designed for support application where moderate yield is required
 - ◆ Fiber reinforced concrete inter-layered with wood provide high support capacity and yieldability
 - ◆ Support capacities up to 800 tons
 - ◆ Yield capabilities up to 8 inches
 - ◆ Mechanically placed with scoop or forklift
 - ◆ Concrete, fibers and limited wood allow CRIBPAC to be "cut-able"
- ◆ Applications
 - Mine through areas in longwall panels
 - Pre-driven recovery rooms
 - Pillar extraction areas
 - High volume support areas where high capacity and mechanical placement can save time and money

CRIBPAC SUPPORT

NIOSH PITTSBURGH RESEARCH LABORATORY
E. DILLON -- CRIBPAC -- 15/16 AUG 2006



VERTICAL DISPLACEMENT, inches

CribPac Block Dimensions -- Outer diameter: 17 ³/₄ inches, Inner diameter: 5 ³/₄ inches, 7 ¹/₄ inch thickness -- Compressive strength 7000 psi

Group 1 -- CribPac -- 40 ¹/₄ inch test height -- 5 layers -- 1 ¹/₂ inch popular "lift" separator -- 1/4 inch plywood separators -- ³/₄ inch Plywood header and footer

Group 2 -- CribPac -- 67 ¹/₂ inch test height -- 7 layers -- 1 ¹/₂ inch popular "lift" separator -- ³/₄ inch plywood separators -- 2 ³/₄ inch hickory header -- 6 inch oak footer

Group 3 -- CribPac -- 70 ⁵/₈ inch test height -- 7 layers -- 1 ¹/₂ inch popular "lift" separator -- 1 1/2 inch plywood separators -- 2 ³/₄ inch hickory header -- 6 inch oak footer

Group 4 -- CribPac -- 41 ⁷/₈ inch test height -- 5 layers -- 1 ¹/₂ inch popular "lift" separator -- 1 inch plywood separators -- ³/₄ inch hickory header and footer



Figure 1 - Standard CribPac (Group 1)

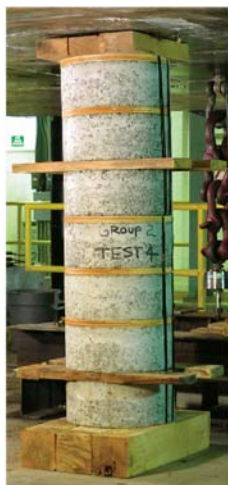


Figure 3 - CribPac (Group 2), ³/₄ inch plywood separators



Figure 3 - CribPac (Group 3), 1 1/2 inch plywood separators



Figure 4 - CribPac (Group 4), 1 inch plywood separators

