

FRANKLIN HIGH YIELD CEMENT

In most areas throughout the Illinois Basin, the need to have the cement circulated to surface on a production string is a must. Higher density slurries are utilized to isolate the producing zones down the hole. Due to the low fracture gradients down hole, it is impracticable and not cost effective to utilize these higher density slurries all the way to surface. Placing high density slurry all the way to the surface would result in loss of circulation. Lightweight filler systems are used to replace the higher density slurries and supply much less hydrostatic pressure on the slurry column.

However, most high yield, lightweight slurries contains so much water that the system is over saturated, releasing a tremendous amount of free water. With these systems, compressive strength is often sacrificed while making them lighter.

Franklin High Yield cement slurry is a very cost effective, low density, high yield system which retains sufficient compressive strength as a filler slurry.

FHY utilizes Class "A" Portland Cement as its base with a blend of other proprietary additives to tie up free water, disperse the slurry and accelerate the strength development of the cement.

Franklin High Yield

Cement Properties

Density	11.5	lbs / gal
Yield	3.20	cu ft / sk
Mix Water	19.5	gal / sk

Compressive Strength

150 psi @95F	24 Hour
400 psi @ 95F	72 Hour

Franklin High Yield II

Cement Properties

Density	12.0	lbs / gal
Yield	2.70	cu ft / sk
Mix Water	15.8	gal / sk

Compressive Strength

175 psi @95F	24 Hour
425 psi @ 95F	72 Hour