



POLY-FLAKE

CEMENTING SERVICE BULLETIN

11/29/91

POLY-FLAKE

TECHNICAL DATA

POLY-FLAKE is a lost-circulation cement additive used to combat loss circulation during cementing across porous formations or highly-fractured zones.

Poly-Flake serves as a bridging material that will bridge across fractured or porous areas preventing loss of slurry to the formation. The required concentration of Poly-Flake is almost half that of Cello-Flake, it does the same job and cost less.

PROPERTIES

PETROCHEM

MATERIAL	FORM	Density	Grade	Packaging	Pallet size
POLY-FLAKE	Clear Flat Flakes	10 lbs./ft.³	3/8"	25 lbs./Sk.	25 Sacks.

SAFETY

Eyes: If contact occurs, flush eyes with water until material is dislodged. If irritation continues, obtain medical attention.

Skin: Not likely a problem.

Inhalation: Not likely a problem.



DISCUSSION

POLY-FLAKE consists of Polyester Flakes of a controlled size that presents no mixing problem when used at the recommended quantity. The material is classified a lost circulation additive. The flakes form a mat at the face of the formation or fracture and aid's in controlling lost circulation.

ADVANTAGES

POLY-FLAKE is chemically inert and does not appreciably affect thickening time or compressive strengths.

No additional water is required; therefore, slurry weights and yields are not affected.

Small quantities provide a large surface area for sealing of fractured and porous areas.

POLY-FLAKE is compatible with all commonly used cement formulations.

USE

POLY-FLAKE is applicable in wells containing highly porous formation and fractures. It should be dry blended into the cement at the bulk plant. The recommended quantity of POLY-FLAKE to use per sack of cement is 1/4 lb. to 1/2 lb. (do not use over 1 lb. per sack because mixing problems could result).