

RIGHT ANGLE SET CEMENT – “RAS”

Right Angle Set Cement (RAS) is a low temperature cement system generally designed for the use between 32° F and 90° F. It can be retarded for use up to 125° F with proper testing. RAS develops very good compressive strength of the slurries even at low temperatures. RAS is primarily used to stop extreme lost circulation and/or extreme water flows.

RAS slurries will display a very short transition time between liquid state to set state, hence its name, Right Angle Set.

Thickening time of an RAS system can be easily adjusted from between half an hour to several hours, depending on the application, without impairing the right angle set properties.

Slurry Properties

Temperature °F	Retarder % bwob	Thickening Time hr:min	Transition Time hr:min	8 hour Compressive Strength
50	0.6	2:23	3	1170 psi
68	0.6	2:44	4	1070 psi
86	0.6	5:26	9	1025 psi
104	0.4	2:31	9	690 psi
122	0.4	3:33	9	780 psi