



Methocel A4C Mixing Instructions

Solution Preparations Techniques:

1) Hot/Cold Technique Aqueous Media

Mix methocel powder thoroughly using 1/5 to 1/3 of the required total amount of water as hot water (80-90°C, 176-194°F). Continue to agitate until all particles are wetted and a consistent dispersion is obtained. The remainder of the water should be added as cold water, while agitating. Continue to agitate until a smooth solution is obtained. The solution should be cooled down to less than 8°C, 45°F. Agitation must continue after the proper temperature is achieved for approximately 20 minutes.

2) Dispersion Using Non-Aqueous Liquids for Aqueous Systems

Blend methocel powder into ambient temperature liquid until a consistent dispersion is obtained. Continue to agitate while adding cold water which will promote hydration (see above for appropriate temperatures). Agitation must continue after the proper temperature is achieved for approximately 20 minutes.

3) Dissolution into Organic Solvents (Non-Aqueous)

Disperse methocel powder into polar organic solvents at ambient temperature. Continue agitation until solution is clear. Some heating may be necessary after dispersion to facilitate dissolution.