



EXCEPTIONAL VALUE AT EVERY STEP – MIN-U-GEL® 400

When Formulating...

Min-U-Gel® 400 disperses easily in aqueous systems. It provides wide latitude in formulating as it is essentially inert and compatible with most additives and tolerates most physical and chemical environments. Min-U-Gel® 400 helps maintain the dispersion of all other pigments. In water-based system it needs no special solvents, activators, or modifiers.

In End-Use Applications...

Min-U-Gel® 400 thixotropic thickening provides many benefits. At low shear it maintains high viscosity which minimizes sag and flow after application, controls the penetration rate of adhesives and stains and prevents adhesive squeeze-out during high pressure laminating. High shear rates produce low viscosity that permits faster mixing prior to application, makes application easier, and improves leveling during the application of high viscosity mixtures.

Another key feature is its rapid recovery. Mixtures quickly return to their original viscosity after mixing or after being applied. Unlike many thixotropes, Min-U-Gel® 400 product does not fade in that this shear-thinning effect can be repeated endlessly without loss of original viscosity.

This thixotropic effect coupled with suspension and its rapid recovery provides many other benefits. For example, in paints & coatings, Min-U-Gel® 400 improves syneresis control, freeze-thaw stability, flow & leveling, sag resistance, film build, spatter resistance, spreadability, feathering, tint strength and hiding.

During Shelf-life...

Min-U-Gel® 400 maintains the quality of the finished product and reduces pre-application mixing time. Its stable gel strength prevents the settling of solids and phase separation or syneresis in the mixture during storage. It also does not swell, increase aged viscosity and is unaffected by soluble ions or salts. In addition, Min-U-Gel® 400 is stable over a wide pH and temperature range, is not susceptible to microbial attack, and is insoluble in organic liquids.

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