BYK-377 is a polyether-modified silicone-based surface agent for solvent-free, solvent-borne, and radiation curable coatings, adhesives and inks. BYK-377 strongly reduces surface tension and increases surface slip. BYK-377 is hydroxyl functional and can be crosslinked directly into the coating surface. Additionally, BYK-377 improves wetting, surface slip, and reduces susceptibility to dirt. BYK-377 is often used in 2K-polyurethane systems, as well as polyester/melamine, UV curable systems. BYK-377 has an OH value of 45 mg KOH/g.

While BYK-377 is a very good product, it is TRiiSO’s opinion that AFCONA 3085 represents a much better option. AFCONA 3085 is also a modified silicone-based polysiloxane that is hydroxyl functional and can be crosslinked directly into the coating surface. While not a direct chemical offset, our side-by-side evaluations demonstrate that AFCONA 3085 provides the same level of performance as BYK-377. AFCONA 3085 provide permanent slip performance to polyurethane coatings and heat-cured paints. Afcona 3085 Slip and Levelling Agent is very compatible and can be used in all water-based and solvent-based coating systems. Afcona 3085 Slip and Levelling Agent can stabilize foam in some applications, which can be resolved with the use of appropriate defoamers. Defoamers are not required in most conventional pressure spray applications.

Please click here to request a sample, quotation or additional information on BYK-377.

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