BYK-348 is a silicone-based surface agent for water-based coatings and inks. Specifically, BYK-348 imparts a strong reduction of surface tension, and also imparts improved substrate wetting without increasing surface slip. BYK-348 is supplied as 100% active.

While BYK-348 is a very good product, it is TRiiSO’s opinion that AFCONA 3580 represents a much better option. AFCONA 3580 is also a modified polysiloxane wetting agent for water-based coatings. While not a direct chemical offset, our side-by-side comparisons demonstrate that AFCONA 3580 provides the same level of performance as BYK-348. In fact, our tests indicated that AFCONA 3580 provided much better and faster substrate wetting than BYK-348. Afcona 3580 Slip and Levelling Agent is very mobile in water-based coatings and can quickly migrate to problem areas to fix coating defects. Additionally, Afcona 3580 Slip and Levelling Agent prevents cratering and does not cause inter-coat adhesion problems. Finally, Afcona 3580 Slip and Levelling Agent does not stabilize foam. Afcona 3580 Slip and Levelling Agent is particularly recommended for use in all types of water-based coatings with a pH range of 4-10.

Please click here to request a sample, quotation or additional information on BYK-348.

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