Data Sheet

The information contained in these data sheets product performance when used in their intended WIM Inc. cannot foresee all of the potential place when these products are used. Please read for more information about these products.

WIM® Lime Conditioner

WIM Lime Conditioner is an additive which when added to a lime tank helps promote a soft tight lime by allowing better colloidal suspension of the lime bath. It will not contaminate the lime or retard further finishing operations. Frothing and bubbling will be reduced, and in many cases eliminated.

The coating of the lime with the WIM Lime Conditioner will be softer and tighter. A softer coat will more readily act as a carrier in picking up drawing lubricants, and can help reduce die wear. The tighter coating will provide more ease in drawing multiple drafts or other cold forming operations.

Lime has a tendency to settle and keeping the lime in suspension requires mechanical agitation along with the WIM Lime Conditioner. Mechanical agitation whether by mixers or pumps should be sufficient to prevent the lime particles from settling on the floor of the tank. Mixers or recirculating systems should pull the lighter lime slurry from the surface and force it back into the lower area of the lime tank. Steam jets tend to increase crystallization which is one source of froth on the lime bath. Air also will promote more bubbling and frothing on the surface.

Titration of the lime is recommended in conjunction with a settling test. Both tests compliment each other providing the needed information to retain a quality lime coating. The settling test will indicate the physical condition of the lime while titration indicates concentration.

Recommended Usage

Add 4L (one gallon) of WIM Lime Conditioner for every 6 bags of lime used for make-up of the new bath. Then add 0.5L (1 pint) for every bag of lime added after the initial charge.

Temperature

The best temperature is 88 C -94 C (190 F-200 F). The lime should not be allowed to boil as this speeds up crystallization and reduces bath life. It also tends to promote a poorer quality of lime coating.

All of the WIM® additives are Certified for use with Naxidic Acid®.
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