





TAG CHEMICALS

„TECHNOLOGY THAT DELIVERS“

Sales partners, production and research all over the world



 Production & Research  Distribution Partners



Release Agents & Lubricants for Tire
production

OUR TECHNICAL ADVANTAGE ↔ YOUR PROFIT

Batch-Off		Tire Tread Marking Paints	Bladder coating
ANTITACK 806 series		RF-909	BC-918 series
<ul style="list-style-type: none"> • TAG line of quality batch-off products. • Provides a smoothly running production process. • No negative influence to the technical properties of the rubber compound. • Perfect release and wetting properties. • Available on soap and stearate basis. • Contains wetting and film forming polymers as well as anti-corrosion additives. • Easily dilutable with water. 	<p style="text-align: center;"><u>806/B</u></p> <ul style="list-style-type: none"> • Liquid, stearate based <p style="text-align: center;"><u>806PV</u></p> <ul style="list-style-type: none"> • Powder, stearate based <p style="text-align: center;"><u>806/H</u></p> <ul style="list-style-type: none"> • Liquid, soap based 	<ul style="list-style-type: none"> • To be applied to the tire tread after extrusion • Water based • Available in following colours: <ul style="list-style-type: none"> - Yellow - Orange - Red - Blue - Green - White 	<ul style="list-style-type: none"> • Especially designed as a base coat for bladder start up. • Will extend the bladder life. • Provides excellent slip properties. • Supports the release effect. • Forms a hard and durable film. • Reduces the amount of Inside Lube. • Eliminates the usage of Inside Lube.
Advantages		Advantages	Advantages
<ul style="list-style-type: none"> • Easy and long lasting release. • Quick drying time. • Excellent wetting and film forming. • Low foaming tendency. • Dust-free. • High dilution ratios. • High stability 		<ul style="list-style-type: none"> • Extremely quick drying time • Easy to apply • Excellent colour radiance • Long lasting • Optimal viscosity • Environment friendly 	<ul style="list-style-type: none"> • High slip. • Fast drying. • Extend bladder life • Avoids scrape tires on new bladder starts. • Reduces or eliminates the usage of Inside Lube • Water based.

OUR TECHNICAL ADVANTAGE ↔ YOUR PROFIT

Inside Lube	Reactive inside paint	Outside Lube	Lubricant
IL-925	IL-919 NBX series	OL-926	RIMLUBE 928
<ul style="list-style-type: none"> • Can be applied by automatic- or hand spray. • Every tire to be treated. • Water based. • Fast Drying time • Available in black, grey and white colour. • Filled and unfilled. 	<ul style="list-style-type: none"> • Is a semi-permanent lubrication system, designed as a touch-up coat for bladders or the inside of the green tires. • Water based. • Application by spray or wipe-on. • Provides multiple releases. • Easy to use. 	<ul style="list-style-type: none"> • Can be applied by spray gun or automatic spray • Every tire to be treated. • Water based. • Quick drying time. • Color black or clear. 	<ul style="list-style-type: none"> • Perfect lubrication for uniformity machines and automatic tire assembly lines. • Water based • Fast drying without leaving residues • Drying time is adjustable • Eliminates scrap • Can be applied automatically, by spray gun, brush or sponge. • Low usage
Advantages	Advantages	Advantages	Advantages
<ul style="list-style-type: none"> • Extends bladder life. • Stable product. • Low usage • Environmental friendly • Excellent inside finish of the tire. 	<ul style="list-style-type: none"> • Universal for all tires. • Provides true multiple release . • Excellent slip and air bleed. • Perfect finish / appearance of produced tires. • Cost effective. 	<ul style="list-style-type: none"> • Excellent flow and release. • Stable product • Evenly black appearance 	<ul style="list-style-type: none"> • High slip. • Drying without residues. • Contains NO oils or silicones. • Accurate measurements. • Easy cleaning, not harmful to machines. • Adjustable product regarding viscosity and drying time. • No solvents or alcohol.

Release Agents & Lubricants for Rubber Parts



OUR TECHNICAL ADVANTAGE ↔ YOUR PROFIT

Semi Permanent	Semi Permanent	Semi Permanent	Lubricant
Aquacoat SR-55 Series	Aquacoat SR-30 V Series	Aquacoat SK-Series	Aqualube 931 Series
<ul style="list-style-type: none"> • High performance semi-permanent release agents for rubber-metal bonding applications. • Suitable for all compounds in use. • Strong release power, even at elevated temp. • Non-transferring polymer blend • Low consumption – reduces mold fouling – extends tool life before main • Provides excellent slip without greasy, oily touch 	<ul style="list-style-type: none"> • Is a semi-permanent water based release system, designed for molding operations when high degree of slip is needed. • Specially designed for rubber soles and conveyer belts. • adheres • Provides multiple releases. • Reduces build up on mold. 	<ul style="list-style-type: none"> • High performance semi-permanent release agents especially suitable for silicone rubber. • Water based • Recommend for high quality silicone injection application • Due to durable film buidling the product is not transferring to molded parts • Excellent flow properties • Dry touch 	<ul style="list-style-type: none"> • Is a performance lubricant system, designed for all kind of rubber-metal mounting with high quality demands • Free of mineral oils and silicone • Provides perfect slip for easy mounting • Can be applied by brush, sponge or dipping • Eliminates scrap • Drying time can be adjusted • Low usage
Advantages	Advantages	Advantages	Advantages
<ul style="list-style-type: none"> • Film thickness less than 10 microns • Long shelf life • Optimum effectiveness of release cycles • Keeps mold clean/ no mold fouling • Perfect finish/appearance of produced parts • No excellent price/performance ratio 	<ul style="list-style-type: none"> • Excellene finish of produced parts (dry, semi-gloss finish). • Provides multiple release . • Excellent slip • Universal for all rubber types. • Cost effective. 	<ul style="list-style-type: none"> • Excellent flow and release. • Stable product • No transfer • Perfect finish/appearance • Water based • Dilutable • No mold fouling 	<ul style="list-style-type: none"> • Excellent slip. • Water based. • Contains NO oils or silicones. • Accurate measurements. • Drying without residues. • Adjustable product regarding viscosity and drying time.

The background of the slide is a blue gradient with a central image of a water droplet falling into a pool of water, creating concentric ripples. The text is overlaid on this image.

AQUACOAT Series

Water based Permanent and Semi Permanent
Release Technology
Superior Release in wide fields of applications

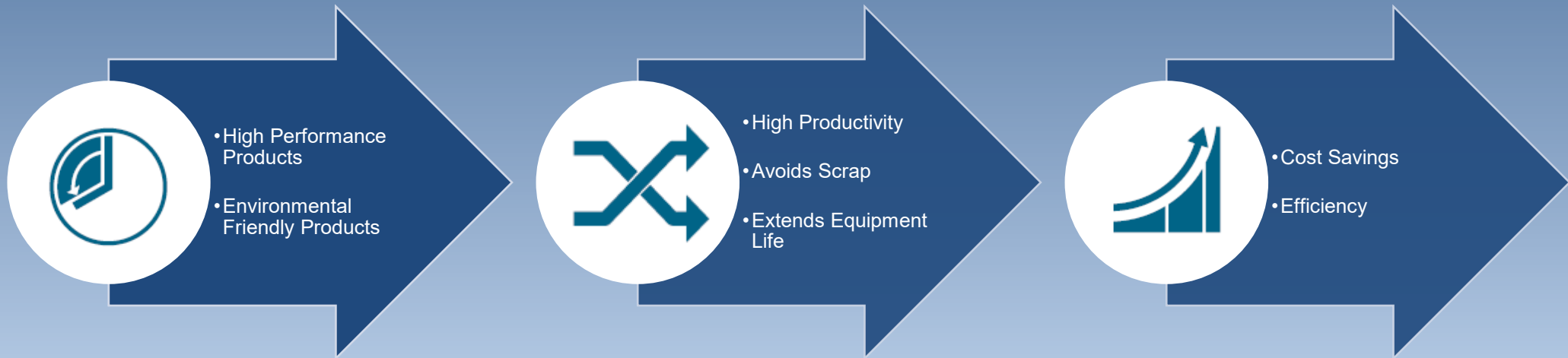
- Release Coating for Rubber (all compounds)
- PU- Applications
- Hydrophobic Agent
- Non-Stick Coating

*For a smooth and lean
Production*

INDUSTRIE 4.0

INCREASE AUTOMATIZATION

We Are Living It



COMPARISON 1984 VS TEFLON

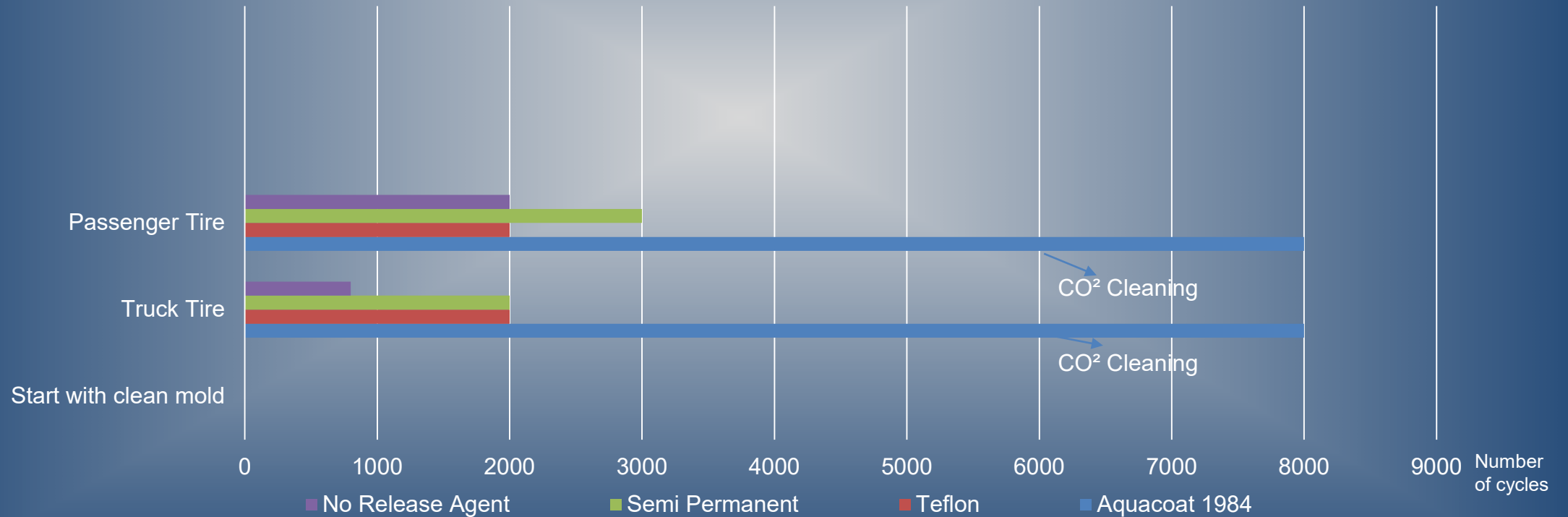
Permanent	Semi-Permanent	Permanent
AQUACOAT 1984	MRA-100	Teflon
<ul style="list-style-type: none"> Is a permanent coating Provides easy release and lubrication on a permanent base. Eliminates usage of semi-permanent or regular release agents. No transfer of the coating to the produced tires Will extend mold life Minimum 6000 cycles without touch up or cleaning. Keeps the vents clean. Uniform tire appearance. No change in tire colour between start up and final mold cleaning Fully automatic run 	<ul style="list-style-type: none"> Is a semi-permanent release solution. Provides easy release for one shift/day Prevents tires sticking to the molds, especially suitable for winter tire production. Helps to keep air vents clean. Extends tool life before maintenance. Non-transferring polymer blend Provides excellent slip without greasy, oily touch of tires Easy application with conventional release agent spraying equipment. 	<ul style="list-style-type: none"> Is a permanent coating Provides easy release and lubrication on a permanent base. Eliminates usage of semi-permanent or regular release agents. No transfer of the coating to the produced tires Will extend mold life Minimum 2000 cycles without touch up or cleaning. Can block the vents. Uniform Tire appearance. Change in tire colour between start up and final mold cleaning. Gloss -Dull Fully automatic run
Advantages	Advantages	Difference to 1984
<ul style="list-style-type: none"> Film thickness 5-6 microns. Long lasting coating No blockage of vents Keeps mold clean Perfect finish / appearance of produced tires. No overspray and related issues. No defect due to release/slip. Best possible price / performance ratio. Water based 	<ul style="list-style-type: none"> Easy release. No build-up. No transfer. Easy to handle. Perfect finish/ appearance of produced tires. Eco friendly. No defects due to release. 	<ul style="list-style-type: none"> Film thickness 50-60 microns vs 5-6 micron Shorter lasting coating – 2000 vs 6000 cycles Can block vents Keeps mold less clean Appearance of produced tires change Longer Curing Time needed – 60 vs 15 minutes Higher temperature – 400 C. vs. 300-325 C Not environmental friendly Non water based

AQUACOAT 1984

REACHING NEW POSSIBILITIES

Mold Cleaning Frequency

Based on used chemistry



Application Ratio (Truck) = Approx 84 X

Application Ratio (Pass.) = Approx 75 X

Human Resources and possible failures

Application Ratio (Truck) = 1 X

Application Ratio (Pass.) = 1 X

No Human Resources and no possible failures

Application Ratio (Truck) = 1 X

Application Ratio (Pass.) = 1 X

No Human Resources and no possible failures

A close-up photograph of a person's hand holding a white business card. The card is partially tucked into the pocket of a light blue button-down shirt. The card features the TAG Chemicals logo, which consists of the letters 'TAG' in a bold, blue, sans-serif font, followed by a stylized blue graphic of a person with arms raised, and the word 'CHEMICALS' in a smaller, blue, sans-serif font below it. The background is the textured fabric of the blue shirt, with a button visible near the pocket.

TAG CHEMICALS