

# LATEX *PRO*



CORRIE MACCOLL

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Halcyon Agri Corporation



*“LATEXPRO is our promise to sustainability.”*

## Introducing **LATEXPRO**

At Corrie MacColl, we take our responsibility to all stakeholders and the environment seriously. We’re future-proofing the industry by applying our expertise across the value chain together with investment in technology, to produce the highest quality natural latex in a sustainable way.

Corrie MacColl’s **LATEXPRO** represents our thoughtful, measured and considered commitment to the highest standards.

# **LATEXPRO** Core Principles

Together, the **LATEXPRO** four core principles make up Corrie MacColl’s sustainable platform for natural latex production: Industrial & Quality Standards; Environment, Health & Safety; Sustainable Supply Chain and Supply Chain Security. We have developed detailed principles and performance benchmarks to ensure that our natural latex measures up to our promise.



Industrial & Quality Standards



Environment, Health & Safety



Sustainable Supply Chain



Supply Chain Security



# Industrial & Quality Standards



**LATEXPRO** guarantees the highest standard in quality assurance by applying three principles: Quality of Raw Material, Quality of Process and Quality of Management.

Key Principles	Criteria
Quality of Raw Material	<ul style="list-style-type: none"> <li>• Control of tapping equipment cleanliness</li> <li>• Field latex preservation standards</li> <li>• Management of field latex collection and transport to factories</li> <li>• Strict testing of field latex prior to processing</li> </ul>
Quality of Process	<ul style="list-style-type: none"> <li>• Detailed start-up procedures for centrifuges</li> <li>• High factory performance in QA audit</li> <li>• Each <b>LATEXPRO</b> factory must have accredited laboratory testing facilities and qualified laboratory staff</li> </ul>
Quality of Management	<ul style="list-style-type: none"> <li>• ISO 9001 certification</li> <li>• Effective implementation of <b>LATEXPRO</b> Quality Masterplan</li> </ul>

## QUALITY OF RAW MATERIAL

Significant focus on the quality of the field latex raw material through control of tapping equipment cleanliness and management of latex receiving areas. Field latex preservation is strictly monitored, including type and quantity of chemicals used. Complete testing is conducted of all field latex batches prior to processing in the factory with strict acceptance criteria.

## QUALITY OF PROCESS

Our **LATEXPRO** factories are certified to ISO 9001 and subject to periodic internal and external quality assurance audits. Each has a laboratory testing facility with qualified laboratory technical specialist. These are accredited according to the national schemes and they test finished products to ensure at a minimum, conformity to international centrifuge latex specifications. Centrifuges are operated with strict start-up and shutdown procedures to guarantee product quality and uniformity.

## QUALITY OF MANAGEMENT

Our Quality Assurance (QA) department has dedicated managers at each **LATEXPRO** factory. They operate independently from the production team and drive our Total Quality Management (TQM) commitment. The individual teams work with our Group QA management on engaging with customers to better understand their requirements and to translate those requirements into our product and process specifications.



# Environment Health & Safety



We are committed to providing a high standard of safe, healthy and environmentally sound working conditions for our employees and visitors.

Key Principles	Criteria
Tapping and Field Latex	<ul style="list-style-type: none"> <li>• Field tappers’ safety</li> <li>• Field latex transportation and emergency response</li> <li>• Chemical handling and storage in field</li> </ul>
Concentrated Latex Processing, Handling & Storage and Shipping	<ul style="list-style-type: none"> <li>• Centrifuge systems operations and maintenance</li> <li>• Sampling and chemical addition procedures</li> <li>• Bulking tanks and pressure vessels operations and maintenance</li> <li>• Confined space work in tanks and vessels</li> <li>• Loading and inspection of containers</li> </ul>
Laboratory & Chemical Handling	<ul style="list-style-type: none"> <li>• Chemical handling, preparation and storage</li> <li>• Chemical Spill Emergency Response</li> </ul>
EHS Management System	<ul style="list-style-type: none"> <li>• Health assessments and personal protective equipment (PPE) issuance</li> <li>• Factory emergency response and preparedness</li> <li>• ISO 45001 and ISO 14001 Standards</li> <li>• Confined space work in tanks and vessels</li> <li>• Stringent effluent and waste management procedures</li> </ul>

## TAPPING AND FIELD LATEX

We provide safe working conditions for our field tappers by ensuring that they are well hydrated, equipped with Personal Protective Equipment (PPE) and trained on safe tapping techniques. Our truck drivers are trained and equipped to transport latex safely from collection stations to factory.

## CONCENTRATED LATEX PROCESSING, HANDLING & STORAGE AND SHIPPING

Our robust maintenance programme ensures that our centrifuge systems, bulking tanks and pressure vessels are in good and safe working conditions. Our workers are trained to adopt best environmental and safety practices when sampling or adding chemicals into tanks. We ensure that all necessary safe operating procedures are undertaken before our employees conduct any confined-space work in bulking tanks and pressure vessels. Stringent checks are conducted when latex is loaded onto containers and shipped off to our customers.

## LABORATORY & CHEMICAL HANDLING

We adopt stringent procedures to ensure that chemicals are prepared, handled and stored in a safe and environmentally responsible manner. We maintain records of all chemicals stored, used and disposed in our operations. All staff handling chemicals are trained on chemical spill emergency response procedures.

## EHS MANAGEMENT SYSTEM

We are currently adopting ISO 45001 & ISO 14001 practices in our operations and aim to have our factories fully certified to these standards by 2020.

Our factories have a robust environmental and waste management plan in place. We engage licensed waste collectors to remove scheduled waste from site. Effluent is treated to ensure they meet local regulatory requirements before discharge. Our factories work to rectify non-conformities identified during internal and third-party audits to improve their **LATEXPRO** scores and seek continual improvement in overall environmental, health & safety performance.



# Sustainable Supply Chain



Key Principles	Criteria
Monitoring and Mitigating Key Impacts	<ul style="list-style-type: none"> <li>• Key resource usage and social impact metrics regularly monitored and published annually</li> <li>• Complete review of biodiversity and social aspects and impacts periodically</li> </ul>
Social Responsibility	<ul style="list-style-type: none"> <li>• Adopt ISO 26000 principles</li> <li>• Address human rights, labour practices and fair operating practices in our operation's testing facilities and qualified laboratory staff</li> </ul>
Social Investment	<ul style="list-style-type: none"> <li>• Extensive social investment programmes are conducted to benefit local communities categorised under <b>HEVEA LEARN</b>, <b>HEVEA GROW</b>, <b>HEVEA SPORTS</b>, <b>HEVEA HEALTH</b>, <b>HEVEA BUILD</b>, <b>HEVEA SAFE</b> and <b>HEVEA LIFE</b></li> </ul>

We respect the rights of the people in the communities in which we operate and the environment which they are dependent on for their livelihood. As the backbone to our sustainable platform, **LATEXPRO** is all about empowering these communities and minimising the environmental and social impacts of our operations.

We aim for full transparency in all our sustainability programmes, which we showcase through our stringent reporting policies and scheduled publications in accordance with the applicable legal frameworks.

## MONITORING AND UPDATING KEY IMPACTS

We calculate and monitor the water and energy intensity of the production process by maintaining records on the amounts of fresh and recycled water used and fuel consumed. We also conduct and periodically review key resource and social aspect impact assessments. Biodiversity and social impact management plans are developed, implemented and monitored. We report our sustainability performance annually using the GRI Standards framework.

## SOCIAL RESPONSIBILITY

Our labour practices are strictly governed by our Group's corporate policies. Discriminatory behaviour and practices are prohibited, and we conduct periodic checks on our factories to achieve a fair work environment with an open door policy. Formal contracting of all employees ensures issues such as appropriate wages and working hours are clearly stated and mutually agreed upon. We regularly engage with farmers to understand their challenges and grievances and render them necessary assistance. We have also developed programmes to enhance skill sets and minimise environmental, health and safety risks

## SOCIAL INVESTMENT

**LATEXPRO** factories must foster healthy relationships and contribute positively to the surrounding community. Our employees volunteer their time to improve livelihoods and infrastructure in community spaces including the construction of roads, pathways and bore wells. Our plantations conduct training on tapping techniques for smallholders to improve yield and quality. Intercropping is conducted to grow crop produce that can be sold at farmers' markets or cooperatives to generate additional income. We conserve and protect plantation areas identified by High Conservation Value (HCV) assessments, and work with local partners and UNESCO on conservation efforts.

Our plantations provide infrastructure and services for daily needs for all our workers and their resident families. Services and facilities include housing, provision of electricity and water, primary and secondary schools, medical dispensaries and sporting facilities. Each plantation has a fully operational hospital, equipped with an ambulance. These hospitals are also used to serve the surrounding communities.



# Supply Chain Security



We care about our security and that of our customers. We have implemented security measures that extend beyond our premises, all the way to our customers' doorsteps.

Key Principles	Criteria
Security Controls	<ul style="list-style-type: none"> <li>• Comprehensive security measures implemented to ensure a controlled work environment and to minimise risk to our people and property</li> </ul>
Security Certification	<ul style="list-style-type: none"> <li>• Over 120-point checklist covering container, trailer and unit loading device security, physical access controls, personnel and procedural security, physical &amp; IT security, and emergency preparedness and disaster recovery.</li> <li>• All <b>LATEX<sup>PRO</sup></b> factories adopt the United States Customs &amp; Trade Partnership Against Terrorism (C-TPAT) standards.</li> </ul>

## SECURITY CONTROLS

Our **LATEX<sup>PRO</sup>** facilities have appropriate perimeter barriers and are secured by trained security personnel. We employ the use of access control points and positive identification, recording and tracking of all employee, contractor, visitor and vendor movement. Vehicles are inspected with gate passes issued. Electronic security systems including closed-circuit televisions (CCTVs) are used both on the perimeter and throughout the processing line. Training sessions communicating security policies and standards to our workers are conducted annually, and our security management systems are audited by a third party.

## SECURITY CERTIFICATION

C-TPAT has signed several Mutual Recognition Arrangements with countries such as South Korea, Japan and Singapore. C-TPAT participants are approved by the customs of the partnering countries, and in return, these ports provide incentives and benefits such as expedited processing.

# Summary of **LATEXPRO** Standards



The summary table of the **LATEXPRO** standards highlights the categories that make up the 807 point audit criteria. Complete internal audits are conducted by the **LATEXPRO** team on an annual basis with monthly verification of corrective actions to drive continuous improvements.

Factories are awarded Silver, Gold or Platinum status based on the results of the audits.

As of 2019, audits will be performed by the external certification body TÜV SÜD to provide an independent and impartial certification that our factories have adopted and implemented our **LATEXPRO** framework.

Audit Criteria	# Standards
<b>Quality</b> Field Hygiene and Latex Supply Management Concentrated Latex Processing Concentrated Latex Preservation Concentrated Latex Storage and Shipping Laboratory Procedures <b>LATEXPRO - Quality of Products and Quality of Management</b>	
<b>Total</b>	<b>261</b>
<b>EHS</b> Field Hygiene and Latex Supply Management Concentrated Latex Processing Concentrated Latex Handling & Storage Concentrated Latex Shipping Laboratory & Chemical Handling <b>LATEXPRO - EHS Management Systems</b>	
<b>Total</b>	<b>299</b>
<b>CSR</b> Labor Practices Fair Operating Practices Human Rights Social Investment	
<b>Total</b>	<b>121</b>
<b>Security</b> Container / Trailer / Uld Security Physical Access Controls Personnel Security Procedural Security Security Training / Threat Awareness / Outreach Physical Security Information Technology Security Emergency Preparedness / Disaster Recovery	
<b>Total</b>	<b>126</b>



## Our Future Story

Our **LATEXPRO** standards have been designed as Corrie MacColl's sustainable platform, to set high standards to serve our customers and the communities and environment we operate within. We will review and raise the standards on an ongoing basis. We value your feedback and welcome any comments you may have on how we can improve. Please visit us at [www.corriemaccoll.com](http://www.corriemaccoll.com) or contact us at [technical@corrie-maccoll.com](mailto:technical@corrie-maccoll.com).

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