



CHEMSPEC BOTSWANA (PTY) LTD

TECHNICAL SERVICES



WHO WE ARE

- Chemspec Botswana (Pty) Ltd is an independent coating's distributor in Botswana. As a 100 % citizen owned company, Chemspec has unrestricted access to the wider Botswana's market.
- The company has been in operation since 2004 and has shown steady growth to date.
- Customer loyalty has remained good to the Chemspec brand through a strategy of technical support to local companies using this brand.
- ChemSpec is the sole supplier of Jotun products in Botswana. Jotun is a worldwide established company which manufactures and supplies paint.



JOTUN PAINTS

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- Jotun has been a leading manufacturer of paint, coatings and powder coatings for more than 90 years
 - Has organised global operations responsible for the sale of decorative paints and marine, protective and powder coatings.
 - The company has 37 production facilities, 64 companies and is represented in more than 100 countries around the world
 - Jotun Protective Coatings protects assets in industries such as offshore, energy, infrastructure and hydrocarbon processing industry

Values

- **Loyalty** Reliable and trustworthy. Long term relationships between customers, Jotun and colleagues Commitment to Jotun's values, strategies, Policies, and Decisions.
- **Care** Help and support others. Display trust and empathy. Appraise and judge fairly. Protect internal and external environment
- **Respect** Value differences in people. Be honest and fair. Build diverse teams across culture and gender. Follow laws and regulations. Treat others the way They Expect to be treated
- **Boldness** Take initiatives to create the future. Initiate and nurture change. Communicate openly, honestly and with integrity. Be proactive. Address Difficulties Constructively

JOTUN'S TOTAL SOLUTION

Offer paint systems and products to protect and decorate surfaces in the residential, shipping, and industrial markets

- Airports
- Appliances
- Buildings
- Furnitures
- Bridges
- Chemical & Fertilizer Plants
- Ports & Harbours
- Pipelines
- Power Plants



ICE Kraków Congress Centre (Poland - 2014)



NCIG Coal Export Terminal (Newcastle, NSW, Australia - 2011-2013)



Hardangerbrua (Norway - 2013)





JOTUN'S TOTAL SOLUTION (CONT.)



- Mining Structures
- Tank Farms
- Auto Parts
- Offshore Structures
- General Industries
- Land Transport
- Ships & Yachts



Pipeline Application



Verasuwan oil & gas facilities





CORROSION PROTECTION

Corrosion investigation and surveys.

Inspection and investigation of coatings failure.

Preparation of Coating specifications.

Preparation Of Specifications

- A robust specification reduces exposure by the owner and encourages attention to detail. It minimizes the risk of poor-quality works; incorrect or faulty works being carried out and ensures that the works are done safely.
- At Chem Spec, we have an experienced team able to review the specifications that will be required by the contractors onsite. With our NACE CIP qualified engineers, we review existing specifications and add clauses and information in line with leading industry best practice.
- ISO 12944 is the main international standard for corrosion protection of steel by paint. The standard consists of a series of instructions that guide the professional to achieve the required corrosion protection.



CORROSION PROTECTION (CONT.)

- In all our effort to recommend the best coating system for any situation (the type of corrosion expected and corrosive nature of the environment), we refer to ISO 12944 standard.
- Our primary role as coatings inspectors is to obtain, read and understand the specification and supporting documents; then observe, record and report on the technical aspects of a coating projects and conformance or deviation from the project specification.
- As inspectors we will review specification and highlight any points of concern



DURING OUR ONSITE VISIT, WE CARRY THE FOLLOWING TESTS AND OFFER SPECIALISED ADVISE ON;

- *Surface Preparation*
- *Moisture tests*
- *Climatic Conditions monitoring*
- *Wet Film Thickness*
- *Dry Film Thickness*
- *Material Thickness*
- *Adhesion tests*
- *Pinhole and Porosity Tests*
- *Concrete inspection*
- *Spectrophometer*



WE SERVICE THE FOLLOWING INDUSTRIES BUT NOT LIMITED TO;

- *Mining*
- *Industrial*
- *Pipeline*
- *Chemical*
- *Food Industry*
- *Energy*
- *Water & wastewater*



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- Coating job planning should and must be included at every stage of the building phase i.e. project design, application and maintenance stages. Chem Spec has a robust array of technical expertise in planning and forecasting, needs evaluation and specification consulting at your immediate disposal.
 - Our NACE-certified specialists are available to develop specifications and protective coating recommendations for a variety of substrates at all the stages of an asset development.

1. Project Design Stage

2. Implementation/Application Stage

3. Maintenance Stage





ROAD MARKING SERVICES

- We offer aftermarket service and advice to our clients regarding all roadmarking lines sizes and thicknesses.
- We have special tools that enable us to carry out dry thickness tests on rough surface as on tarmac, concrete, and bitumen.
- Our experienced engineers will sit down with you and offer high level advise on road marking in accordance with the SADC RoadTraffic Manual.





ROAD MARKING SERVICES (CONT.)

- In the interest of achieving quality road infrastructure, Chemspec is committed to sell the best road products to its clients.
- Road marking products that are applied onto the road are analysed based on their practical performance as stipulated in the European Standards EN 1463.
- These include measurements of retro-reflectivity values, anti-skid, and determination of the dry film thicknesses of new and existing roads.
- We offer guidance and assistance to Highway roads engineers and/or technicians with the preparation of technical specifications of road marking to include in tenders and ensure that is per SADC, specifications.





SUPPLY OF EQUIPMENT

- To get the best results for your project requires you to have the right equipment and tool that will ensure you deliver the project on time.
- Chemspec offers a range of equipment inclusive but not limited to Wagner, Titan line striping equipment and accessories.
- Chemspec has an exclusive distributorship for equipment which enables it to assist her clients by offering the best quality equipment on the market.
- Our range of equipment are available with repairs, servicing and training
- The use and application of thermoplastics is also covered.



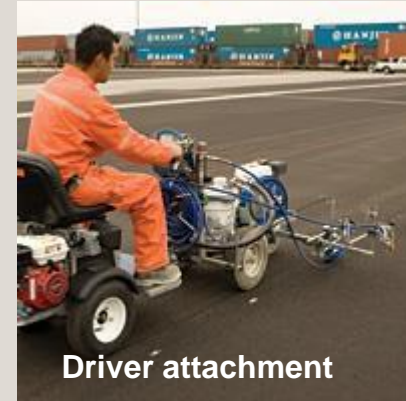
LINESTRIPING EQUIPMENT



City Streets



Parking Lots



Driver attachment



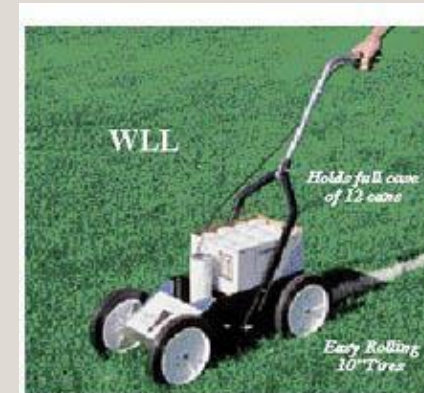
Interior/ Warehouse



Stenciling



Truck Mounted Striper



Aerosol Can





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THANK YOU

