

Shell ENSIS® PL 1608

Prelube for cold rolled sheet steel and coated strip

Shell ENSIS® PL 1608 is a rust preventive prelube oil designed for application to automotive grade cold rolled steel sheet and coated strip which meets the German VDA 230-201 specification and exhibits excellent drawing properties combined with easy removal.

Performance Features and Benefits

- Excellent corrosion prevention, condensation, indoor and covered outdoor conditions
- Outstanding deep drawing properties reducing the need for additional lubrication
- Applicable on various metals suitable for use on ferrous or coated steel
- Easily removed by alkaline cleaners compatible with normal post treatment operations
- Thixotropic nature resulting in reduced run-off and providing optimum film stability
- Suitable for electrostatic applications approved by spray equipment suppliers
- Free from heavy metals such as barium

Main Applications

Rust protection of cold rolled sheets

- Shell ENSIS® PL 1608 can be used as a rust preventive oil on rolled sheet steel and coated strip, during the finishing process in order to provide corrosion protection during storage and transit.
- Shell ENSIS® PL 1608 can be applied neat by roll transfer, drip feed or electrostatic application methods. Typical coating weights are between 1.5 to 2.5 g/m².

Advice on applications not covered in this handbook may be obtained from your Shell representative.

Typical Physical Characteristics

Shell ENSIS® PL 1608	Unit	Test Method	
Appearance @ 25°C	–		Brown
Specific Gravity @ 15°C	kg/L	ASTM D 4052	0.912
Kinematic Viscosity @ 40°C	cSt	ASTM D 445	65-75
Flash Point (SFCC)	°C	ASTM D 92	200
Fire Point (COC)	°C	ASTM D 92	205

These characteristics are typical of current production. While future production will conform to Shell specifications, variation in these characteristics may occur.

Specification, Approvals, and Recommendations

Shell ENSIS® PL 1608 is formulated to meet the German Automobile Manufacturers specification VDA 230-201.

Compatibility

Shell ENSIS® PL 1608 is compatible with multi-metal components/pipework systems. It is compatible with all seal materials and down stream operations.

Storage Requirements

Store in dry conditions away from other combustible materials, heat and direct sunlight.

Handling and Safety Information

For information on the safe handling, storage, or use of this product, refer to its Material Safety Data Sheet at <http://www.epc.shell.com/>. If you are a Shell Distributor, please call 1+800-332-6457 for all of your service needs. All other customers please call 1+800-237-8645 for all of your service needs.

Protect the Environment

Do not discharge into drains, soil, or water.